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1990 Volume 78 Annual Indexes

Continues Review of Applied Entomology – Series B: Medical and Veterinary

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Review of Medical and Veterinary Entomology

A monthly journal compiled from the CAB ABSTRACTS database and produced by the CAB INTERNATIONAL BUREAU OF ANIMAL HEALTH in association with the CAB International Institute of Entomology

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WALLINGFORD, OXON OX10 8DE, UK

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Review of
Medical and
Veterinary
Entomology

Conten
Volume 2

TAXONOMY	1	53	103	159	209	265	351	423	509	563	629	6
ANATOMY AND MORPHOLOGY	1	53	103	159	209	265	351	423	509	563	629	6
REPRODUCTION AND DEVELOPMENT	1	53	103	159	209	265	351	423	509	563	629	6
PHYSIOLOGY AND BIOCHEMISTRY .	1	54	103	159	209	265	351	424	509	564	629	6
GENETICS AND STERILITY	1	54	104	159	209	267	351	427	509	566	630	6
ECOLOGY AND BEHAVIOUR	2	54	104	159	210	267	352	427	509	566	630	6
GEOGRAPHICAL DISTRIBUTION, FAUNAS	3	55	104	161	210	268	352	429	510	567	631	6
TECHNIQUES AND APPARATUS	3	55	104	161	210	268	353	429	510	567	631	6
ARTHROPODS AND MAN: PSYCHOLOGICAL, SOCIOCULTURAL AND RELATED TOPICS	3	56	105	161	210	269	353	429	510	567	631	6
INSECTA	3	56	106	161	211	269	354	429	510	567	632	6
Blattaria	3	56	106	161	211	269	354	429	510	567	632	6
Phthiraptera	5	58	108	162	216	271	357	434	513	570	635	6
Mallophaga	5	58	108	-	216	271	357	434	513	570	635	6
Anoplura	5	58	109	163	216	272	358	435	513	571	635	6
Hemiptera	6	58	109	163	217	272	359	435	513	571	635	6
Reduviidae	6	58	109	163	217	272	359	435	513	571	635	6
Cimicidae	7	59	109	164	219	274	-	436	514	-	636	6
Other Hemiptera	7	-	109	164	219	274	360	436	514	572	636	6
Siphonaptera	8	59	109	164	219	274	360	436	514	572	637	6
Diptera	9	60	110	166	221	275	360	437	514	573	637	6
Culicidae	9	60	110	166	221	275	361	437	514	573	638	6
Ceratopogonidae	21	66	121	174	230	292	369	446	520	582	648	7
Phlebotominae	21	66	122	175	230	293	370	447	520	583	649	7
Simuliidae.....	21	67	123	175	230	294	373	448	520	584	651	7
Tabanoidea	23	67	125	176	231	295	375	449	-	585	652	7
Glossinidae	23	67	126	176	231	295	376	450	521	585	652	7
Muscidae, Fanniidae.....	24	68	127	178	234	297	377	450	523	585	653	7
Calliphoridae, Sarcophagidae	27	69	128	181	235	299	378	453	524	589	655	7
Oestridae, Cuterebridae, Gasterophilidae .	27	69	131	182	239	300	381	458	525	592	658	7
Other Diptera	28	70	131	183	239	301	381	460	525	593	658	7
Coleoptera	29	71	133	184	240	302	382	461	527	594	659	7
Lepidoptera	30	72	-	-	241	303	384	465	528	595	-	
Hymenoptera	31	72	134	185	241	303	385	465	528	595	660	7
Other Insecta	33	76	136	187	243	306	389	468	532	597	661	7

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ERRATA

Volume 77 (1989)

Abstract No.

- 3200 For '*A. flavus*' read '*Armigeres flavus*'
- 4199 Delete '*[M. limnophilus]*'

Volume 78 (1990)

Abstract No.

- 542 For '*A. tesselatus*' read '*A. tessellatus*'
- 1133 For 'OPDEBEEK, J.P.' read 'OPDEBEECK, J.P.'
- 1984 Delete '*[M. limnophilus]*'
- 2085 For 'ATTYGALE, A.B.' read 'ATTYGALLE, A.B.'
- 2205 For '*Rattus blandfordi*' read '*Rattus blandfordi [Cremonomys blandfordi]*'
- 2517 Delete '*[M. limnophilus]*'
- 4026 For 'BARRROS, S.B.M.' read 'BARROS, S.B.M.'
- 4150 Delete '*[M. limnophilus]*'
- 4365 After '*A. chalcodes*' insert '*[Rechostica chalcodes]*'
- 4754 For '*E. temexia*' read '*E. temexa*'
- 4954 For 'AXTEL, R.C.' read 'AXTELL, R.C.'
- 5807 For '*Acomys dimitiatus*' read '*Acomys dimidiatus*'

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Main Office: 56 Queen's Gate, London SW7 5JR, UK

Telephone: (071) 584 0067 (International +44 71584 0067)

Telex: 9312102251 IE G

Telegrams: ENTINFO, London SW7

Telecom Gold/Dialcom: 84: CAU006

Fax: (071) 581 1676 (International +44 71581 1676)

Taxonomic Services:

c/o British Museum (Natural History), Cromwell Road,
London SW7 5BD, UK

Telephone: (071) 938 9349 (International +44 71938 9349)

Director:

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Consultant Director:

L.A. Mound, DSc, DIC, DTA, Keeper of Entomology, British Museum (Natural History)

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AUTHOR INDEX

- al, Y. A. I. Abdel- 5950
 alberse, R. C. 372, 4782
 aronson, S. A. 2671
 askov, J. G. 750, 4404, 5902
 adajieva, A. N. 3951
 palla, L. 779
 ate, T. 5084
 obade Mourão, C. 3720
 obasi, S. A. 4993
 obassy, M. M. 1398
 obeele, J. van den 4209
 obott, W. S. 4986
 od-El-Shaheed, Y. 2106
 od-Eldayem, M. S. A. E. 519
 od-Rabo, F. H. 3395
 odalla, H. S. 1491
 odallah, M. D. 4983
 del-Aal, Y. A. I. 5950
 del-Gawad, A. M. H. 3699
 del-Hafez, S. K. 182
 del-Raheem, M. 4296
 del-Rahman, A. M. 4161-4162
 del Sattar, S. 5647
 del-Wahab, K. S. E. 5297
 odool Karim, S. S. 5129
 odul-Ameer, K. N. 3875-3876
 odul Aziz 75
 odullah, S. A. 3745
 odullatif, M. A. 5520
 oe, H. 3529
 oe, N. 1646
 oebe, A. 5924
 oebe, S. 5924
 oebe, D. C. 4445
 oerer, E. 4907
 oerlenc, H. P. 4088
 oeyounis, C. J. 4274
 ohayawardana, T. A. 1850
 ohayawardana, T. A. 5170
 oid, M. 2636
 oidi, T. F. 138
 oo-Donia, S. 2106
 oo-Taka, S. M. 2516
 ou Arab, A. A. K. 3394
 ou-Awad, B. A. 4312
 ou Bakr, H. 4147, 4160
 ou Dawood, A. E. 3395
 ouel Ela, R. G. 4161
 ouel-Ela, R. G. 4161-4162
 ouel-Nasr, A. E. 4161-4162
 oraham, D. 781
 oraham, L. 4284
 orahamove, D. 2697
 oramova, L. N. 2052, 2594
 oranches, P. 3186
 oreu, E. Santos 2421
 oreu, R. M. 5607
 ouabara, Y. 4287
 oul-Eis, E. S. 3876
 oedo, C. Sanchez- 4316
 cha, P. N. 3400
 charya, S. K. 762
 cheampong, J. W. 4358
 chuthan, C. 996
 ckerman, L. 2009
 ckerman, L. J. 1696-1698
 costa, F. Jimenez- 3196
 costa, I. 2468
 costa, M. V. Herrero- 3800
 ctree, K. H. 1205
 dachi, Y. 2423
 lam, S. E. I. 2782, 4055
 damović, Ž. 3584, 4605
 dams, J. G. 4032
 dams, M. A. 3037
 dams, P. M. 3654
 dams, T. S. 577, 3650
 damyan, A. O. 3253
 dang, M. J. 2683
 ddisson, B. I. 4942
 ddisson, E. M. 3185
- Addy, H. A. 4358
 Adeyeye, O. A. 1539
 Adhiambo, A. 1877
 Adis, J. 4877
 Adjei, O. 4358
 Adjepong, A. 2227
 Adkinson, N. F., Jr. 324, 4834
 Adli-Amini, C. 3610
 Adolfo Vallejo, G. 2195
 Adotey, J. 2942
 Aellen, V. 4318
 Aeschlimann, A. 5927
 Affi, A. M. 4310-4311
 Afolabi, J. S. 973-974
 Afrikyan, È. G. 5406
 Afzal, M. 5569, 5663, 5697
 Afzelius, B. A. 3448
 Agaev, A. A. 585
 Agakishiev, D. D. 5977
 Agarwal, K. N. 5524
 Agbodaze, D. 2880
 Agee, H. R. 5078
 Ageron, E. 2696
 Agosin, M. 5695
 Agosti, D. 1948, 2459
 Agostinucci, W. 375
 Agozzino, E. 424
 Agrawal, O. P. 5230
 Agrawal, S. P. 1483
 Agrawal, U. R. 1074-1075
 Agricola, H. 3510
 Aguda, R. M. 795, 4487
 Aguire, D. H. 1200
 Aguirre, D. H. 3177
 Aguirre, J. M. 5485
 Aharonson, A. 5801
 Ahlstrand, G. G. 1966
 Ahmad, S. 3651
 Ahmed, A. 4383
 Ahmed, M. 1605
 Ahmed, N. S. 3395
 Ahmed, Z. H. 4502
 Ahn, Y. J. 4219
 Ahrens, E. H. 1965, 2487, 2494, 4300-4301
 Aikawa, M. 778
 Ailem, A. 4910, 5378
 Ainsworth, A. J. 1991-1992
 Aird, S. D. 5342
 Afriyan, A. P. 1687
 Airoldi, J. P. 4321
 Aizawa, K. 3316, 3322
 Ajmat, M. del V. 1741
 Akad, A. S. El- 132, 4627
 Akashii, H. 2343
 Akhmedova, N. U. 4763
 Akhtar Qureshi 75
 Akhunov, A. A. 2556
 Akhurst, R. J. 2696, 4485-4486
 Akiiki, C. M. Rubaire- 2510
 Akin, D. C. 2236
 Akisue, G. 3990
 Akisue, M. K. 3990
 Akkerman, G. 1676
 Akogbeto, M. 5629-5630
 Akopyan, A. G. 1675
 Akopyan, V. B. 2776
 Akulep, C. 4214
 Al-Alousi 4597
 Al-Asgah, N. A. 5301, 5807
 Al-Azawi, B. 5222
 Al-Busaidy, S. M. 346
 Al-Chalabi, B. M. 2327, 4613, 5560
 Al-Daur, Z. N. D. 2001
 Al-Douri, Z. 2001
 Al-Dulaimi, S. I. 4671, 4818
 Al-Frayh, A. 374
 Al-Hakkak, Z. S. 4991
 Al-Hussein, K. A. 374
 Al-Khalidi 4597
 Al-Khalifa, M. S. 1156, 3182, 5301
- Al-Murayati, Y. A. H. 5107
 Al-Naib, A. 5563
 Al-Robai, A. A. S. 4752
 Al-Saadi, M. 5561, 5563
 Al-Saqur, A. M. 4992
 Al-Shalan, A. A. 374
 Al-Shukur, M. 3511, 3513
 Al-Zahrani, M. A. 4674
 Alaeddinoglu, N. G. 3319
 Alaoui, M. El- 1393
 Albarsanz, M. A. Pérez- 5973
 Albarsanz, M. A. Perez- 828, 4039
 Albert, L. A. 5980
 Alberti, G. 2522
 Albertini, A. M. 2688
 Alberto Muller, C. 2192
 Alcaíno, H. A. 3697
 Alcantara, N. 5192
 Alchangyan, L. V. 5977
 Aldao, R. Rangel- 5084
 Alderman, D. J. 1180
 Aldred, J. 4603
 Aleccrim, W. A. 1421
 Alekseev, A. N. 2325, 2718, 3236
 Alemzada, Q. 1955
 Alexakis, A. 1662
 Alexander, B. 3949
 Alexander, J. B. 5189
 Alexander, M. 1339
 Alexander, S. 454
 Alexeiev, A. N. 3628
 Algalarondo, C. 319
 Ali, A. 120, 1086, 1584, 4744, 5019
 Ali, A. M. 5553
 Ali, M. F. 624
 Ali, M. S. 5027
 Ali, N. M. 3875-3876
 Alkhatib, G. 2676
 Alla, M. Rahmet- 3525-3526
 Allan, D. J. 3056, 5054
 Allan, G. S. 1526
 Allan, S. A. 3164
 Allawy, T. A. A. El- 298
 Allen, D. F. 1099
 Allen, G. T. 1224
 Allen, G. W. 4766-4767
 Allen, J. C. 3116
 Allen, J. R. 1527
 Allen, P. G. 3233
 Allender, W. J. 4515
 Aller, W. C. 4006
 Alley, C. C. 5432
 Alley, E. S. 3037
 Allison, C. E. Machado- 5592
 Allpress, J. D. 3994
 Allue, L. A. Quesada- 2913, 2919
 Almeida, A. M. P. de 5928
 Almeida, C. R. de 5928
 Almeida, D. C. de 3010
 Alonso, M. P. Quinteiro- 5519
 Alonso Guerra, T. 1763
 Aloyan, G. A. 2775
 Alpers, M. P. 2230, 4352
 Alpert, G. D. 3336
 Alpetik, D. 1805
 Alphen, J. J. M. van 5270
 Alrubeai, H. F. 2327
 Alstein, M. 3462
 Altamirano, L. M. 2572
 Altamura, B. M. 1076
 Alterman, L. 4341
 Altinier, E. 5751
 Altmann, H. W. 3884
 Altschuler, D. 1190
 Alushula, H. 1451
 Alva-Valdes, R. 3850
 Alvarez, M. Arechaederra 3381
 Alves, S. B. 4778
 Alves, V. A. Ferreira 5910
- Alvinerie, M. 2107
 Aly, C. 1801, 3592
 Alzate, A. 3580
 Alzieu, J. P. 5253
 Amakawa, T. 1904
 Amalraj, D. 4171
 Amanfu, W. 4813
 Amano, K. 1039, 3659, 5667, 5716
 Amaral, N. K. 2410
 Amarowicz, R. 5023
 Ambroise-Thomas, P. 2215
 Ambros, M. 286, 307
 Ambrose, N. C. 343, 4878
 Ambrosio, R. E. 3825
 Amelsen, J. C. 4276
 Amelincx, M. 1902
 Amelsfoort, A. van 2507
 Amerasinghe, F. P. 1386, 1814-1815, 2328, 2357
 Ames, R. G. 1274, 1690
 Amichot, M. 2144
 Amin, A. H. 4752
 Amin, A. M. 2340
 Amin, M. 3208
 Amiressami, M. 296
 Amor, B. 764, 4420
 Amosova, L. I. 1962
 Amoudi, M. A. 1444, 4685
 Ampleford, E. J. 1769
 Amran, D. 3301
 Ananchikov, M. A. 1150
 Anand, M. 1268, 2779
 Anandan, R. 3788
 Anantaraman, M. 1787
 Ancora, G. 834
 Anders, K. 2562
 Anders, K. H. 4445
 Andersen, A. 1596, 4348
 Andersen, J. 2411
 Andersen, S. O. 882
 Anderson, B. E. 2596
 Anderson, D. 209
 Anderson, D. J. 2807, 5112
 Anderson, E. C. 1185
 Anderson, G. 4865
 Anderson, G. S. 1428
 Anderson, G. W., Jr. 3894
 Anderson, J. C. 1661, 4981
 Anderson, J. E. 4976
 Anderson, J. F. 4786, 4920, 5286, 5383, 5387
 Anderson, J. M. E. 4731
 Anderson, J. R. 1396, 1819, 1915, 2315, 2346, 3589
 Anderson, L. M. 1380-1381, 2160
 Anderson, M. 3136
 Anderson, N. 3685
 Anderson, N. L. 11, 4665
 Anderson, R. C. 3530, 4370
 Anderson, R. S. 1927
 Anderson, T. E. 3351
 Andersson, N. 334
 Ando, K. 1077, 1970, 2480
 Ando, T. 4337
 Andrade Ferreira, S. R. 689
 Andre, R. G. 4662-4663
 André-Fontaine, G. 3921
 Andreadis, T. G. 78, 969, 2312-2313, 3586, 3965
 Andreev, E. A. 5853
 Andreev, V. P. 1010
 Andreeva, R. V. 3969
 Andreevskaya, N. M. 2620
 Andreu-Moliné, E. 4024
 Andrew, H. R. 1545, 4807, 5808
 Andrews, J. E. 5424
 Andrews, J. R. H. 4114
 Andri, L. 4339
 Andriamangantiana-Rason, M. D. 2642
 Andriès, J. C. 2849

- Andriescu, I. 4756
 Aneshansley, D. J. 5148
 Añez, N. 4675
 Angel, R. Vélez 4109
 Angel-Cabañas, G. del 944
 Angelescu, C. 766
 Angelier, E. 1313
 Angioy, A. M. 1890, 3041
 Angsuthanasombat, C. 2694
 Aniedu, I. 2333
 Annis, B. 95, 2260, 4623
 Ansari, M. A. 995
 Anstensrud, M. 705, 2039
 Antervo, K. 1691
 Anthony, N. J. 4979
 Antolin, M. F. 3760-3761
 Antonov, S. M. 1072
 Antony, P. X. 5749
 Antunes, C. M. F. 1188
 Antunes-Madeira, M. C. 830, 3366
 Aoki, J. 2699
 Aoki, S. 5005
 Aouchiche, M. 4909-4910, 5378
 Aparecida Carareto, C. M. 3720
 Aparicio, P. López- 5973
 Aparicio, P. Lopez- 828, 4039
 Apiwathnasorn, C. 5186
 Apold, J. 4355
 Appel, A. G. 1747, 2183, 2877, 2879
 Appenrodt, E. 5473
 Apperson, C. S. 1368, 2280, 3168
 Appiah, A. 1423
 Appl, B. A. 333
 Appleby, E. C. 709
 Apsatarova, R. A. 363
 Apte, N. 704
 Aquavella, J. 1096
 Aquilina, J. 2101
 Ara, I. 2732, 4974
 Arab, A. A. K. Abou 3394
 Aragade, S. P. 54
 Arai, M. 5412-5413
 Arakawa, R. 956, 5151, 5157, 5569
 Arakelyan, I. S. 363
 Arakelyants, V. S. 1780
 Aranha Matthiesen, F. 3866
 Arantès, O. 1232
 Arapinis, C. 386
 Araújo, L. G. 5878
 Arbabian, M. A. 5933
 Arbolante, C. 1818
 Archer, M. E. 612, 4767-4768
 Archibald, D. E. 3356
 Archibald, R. D. 4753
 Arcos, J. C. 3310
 Arcuri, K. E. 3814
 Arechaederra Alvarez, M. 3381
 Arenas, L. D. O. 5608
 Ares-Mazas, M. E. 5489-5491
 Arevad, K. 1708
 Argus, M. F. 3310
 Arias-Fernandez, M. C. 5489-5490
 Ariëns, E. J. 2117
 Arif, B. M. 3315
 Arikawa, K. 4739
 Arison, B. H. 813
 Aristova, V. A. 5305
 Arita, M. 2446
 Arjunwadkar, A. V. 703
 Arlian, L. G. 318, 331, 1605, 2010, 3203
 Armitage, P. D. 2421
 Armoni, M. 42
 Armstrong, A. 4979
 Armstrong, J. R. M. 991
 Arnauty, V. Beyssat- 2255
 Arnason, J. T. 941, 3419
 Arnett, D. 1205
 Arnold, K. A. 278
 Aron, S. 1944
 Aronson, A. I. 5934
 Arpagaus, M. 2132
 Arredondo-Bernal, H. C. 962
 Arredondo-Jiménez, J. I. 5543
 Arroyo, D. C. 1367
 Arru, E. 5877
 Arruda, L. K. 2530
 Arruda, M. de 4653
 Arteaga, I. de H. 2194
 Artem'ev, M. I. 2621, 5918
 Artem'ev, M. M. 181
 Artemyev, M. M. 181
 Artsob, H. 747, 3904
 Artsob, H. A. 1210
 Arunachalam, N. 5445
 Arundel, J. H. 2203
 Arutyunova, M. B. 5976
 Arya, A. 5159
 Arzube, M. 194, 4684
 As, J. G. van 3873
 Asadi, M. 4611
 Asahina, S. 907
 Asami, T. 2555
 Asano, Y. 383
 Aschenborn, H. H. 3098
 Ascher, K. R. S. 3354
 Ascoli, A. 217
 Asenov, G. A. 1781
 Asgah, N. A. Al- 5807
 Ash, L. S. 2485
 Ashall, F. 4588
 Ashburner, M. 3405-3406, 4476
 Ashe, J. S. 1503
 Ashida, M. 2975
 Ashley, D. L. 5432
 Ashman, W. P. 1256
 Asiago, C. 5631
 Asiago, C. M. 5128, 5530
 Aslanyan, G. Ts. 2775
 Asman, S. M. 945, 1833
 Asonganyi, T. 4689
 Assaggaf, A. I. 4752
 Astaiza, R. 2960
 Astier-Gin, T. 4400
 Atkinson, C. T. 3930
 Atmosoedjono, S. 2260
 Attygalle, A. B. 624, 2085
 Atwell, R. B. 858
 Atyeo, W. T. 3213
 Aucther, A. 4504
 Auffray, Y. 5939
 Augier, R. 5041
 Augustine, P. C. 3238, 3829
 Aung, H. 4163
 Ausili, A. 4513
 Austin, A. D. 5453
 Austin, F. E. 3267
 Austin, R. D. 38
 Australia, Department of Agriculture, Western Australia 2123
 Autef, P. 4961
 Autschbach, R. 1147
 Avakyan, A. Kh. 2775
 Avancini, R. M. P. 1069, 5736, 5741
 Avdeev, V. V. 2044
 Avenant-Oldewage, A. 3873
 Avenrhin, A. D. 1010
 Avila, J. M. 3096-3097, 4259, 5778
 Avila López, F. 2572
 Avila Sánchez-Jofré, J. M. 5777
 Avissey, H. S. K. 3037
 Avy, K. 3251
 Awada, H. 764
 Awahmukalah, D. S. T. 5493
 Awal, M. A. 4511, 5430
 Awan, M. A. Q. 1082
 Awiti, L. R. S. 1869
 Axelrod, H. 938, 4621
 Axtell, R. C. 1454, 4954, 5223
 Aylward, J. H. 1532
 Ayres, C. M. 2598
 Ayres, S., Jr. 1586
 Azad, A. F. 926, 1404, 2227, 2928, 3259, 4918, 5162
 Azambuja, P. de 1337
 Azawi, B. Al- 5222
 Azirun, M. S. 479
 Aziz, A. 75
 Aziz, T. 1584
 Azizbekyan, P. P. 5404
 Azizbekyan, R. R. 392, 2068-2069, 3952-3953, 4946
 Baba, M. 1025, 5206
 Babalola, O. E. 2628
 Babu, J. R. 3351
 Babu, N. P. S. 1791
 Babu, N. S. A. 2763
 Babu, V. V. R. S. 3579
 Baby, T. G. 3474
 Baca, O. G. 3272
 Baccam, D. 2350
 Baccetti, B. 2182, 4139
 Bacci, E. 3388
 Bach, M. 2166
 Bach-Hamba, D. 1854
 Bachurina, O. B. 161
 Backman, A. 3309
 Bäckvall, J. E. 5792
 Bada, J. L. 3893
 Badalov, E. T. 652
 Badame, A. J. 375
 Bader, C. 2522
 Bader, J. C. 562
 Badie, A. 2457
 Badulin, A. V. 1998
 Baehr, J. C. 1124, 1765
 Baeza K., H. 4862
 Baeza-Squiban, A. 4017, 5773
 Bagalino, S. 5634
 Baghdassarian-Chalaye, D. 1765
 Bagherwal, R. K. 5803-5804
 Bagirov, G. K. 585
 Bahde, S. 1062
 Bahga, H. S. 836, 5429
 Bahraoui, E. M. 3863
 Bährmann, R. 5523
 Bai, A. S. 5890
 Bai, C. 3945
 Bailey, C. L. 748, 950, 1406, 1813, 2306, 2489, 3162, 3796, 5290
 Bailey, R. E. 547, 5526
 Baimai, V. 88, 2300, 2316
 Bain, J. 867
 Bain, O. 1654, 2472, 3614, 5163
 Baird, C. R. 4239
 Baird, J. K. 4239
 Bairlein, F. 3086
 Bajomi, D. 2380
 Bajpai, R. 1221
 Baker, A. S. 2515
 Baker, G. J. 2630
 Baker, G. T. 2199
 Baker, J. 361
 Baker, J. R. 3722, 4522
 Baker, K. P. 4107
 Baker, M. K. 5806
 Baker, M. R. 3412
 Baker, R. D. 2278
 Baker, R. H. A. 3037
 Baker, R. L. 4825
 Baker, S. 2673, 4477
 Bakima, M. 1674
 Bakry, N. M. 4041-4043
 Balaci, L. 766
 Balaeva, N. M. 2621, 5918
 Balakrishnan, N. 4664
 Balaraman, K. 540, 3331
 Balardin, R. S. 2070
 Balazy, S. 2705
 Balbo, T. 5520
 Baldi, L. 3848
 Baldo, B. A. 1078, 1597, 1712, 3074, 4349, 4835
 Balducci, M. 5652
 Ballal, C. D. 5963
 Ballard, J. W. O. 2365
 Ballarino, J. 2153
 Ballini, R. 3144
 Bal'man, R. A. 2068, 3952
 Balouet, G. 5823
 Baltanás, A. 1313
 Bamji, M. 4837
 Banda, D. S. 4304
 Bandele, E. O. 4132
 Banerjee, A. 407, 3226
 Banerjee, K. 54, 739, 1187, 5355-5356, 5361
 Banerjee, M. 1262
 Bangs, M. J. 400
 Banks, B. E. C. 5785
 Banks, W. A. 622, 632, 3140, 5275, 5277
 Bannova, G. G. 2482, 2581, 5897
 Bantle, J. A. 1961
 Banu, Q. 5730
 Bao, Y. F. 2353, 2643
 Baptista, F. C. 2021
 Barak, Z. 3590
 Baraldi, G. 807
 Baranov, N. I. 712, 2586
 Barash, S. 1073, 5726
 Barata, J. M. S. 2193
 Baraud, J. 4258
 Barbarossa, I. T. 1890
 Barbe, L. le 562
 Barber, J. T. 3129
 Barbet, A. 1571
 Barbet, J. L. 500, 5184
 Barbieri, C. 5397
 Barbosa, O. C. 5604
 Barbosa, R. T. 2379
 Barbour, A. 4907
 Barbour, A. G. 1207, 2625
 Barcarolo, R. 4061
 Barceló, D. 2108, 2803
 Barclay, H. J. 890, 1239-1245, 3337
 Barendsz, A. W. 2799
 Barenholz-Paniry, V. 1114
 Baretino, D. 4251
 Barjac, H. de 2681
 Barkay, S. 1085
 Barker, I. K. 1210
 Barker, R. W. 2495, 3169
 Barker-Hudson, P. 5135
 Barlow, F. 971
 Barnard, C. J. 2569
 Barnard, D. R. 1543, 2493, 3795, 5291
 Barnard, S. M. 3933
 Barnes, A. M. 1204
 Barnett, P. G. 1277
 Baron, R. W. 2407
 Baroni, P. 5873
 Barquero, M. 5441
 Barr, A. R. 3600, 5551
 Barré, N. 645-646, 5833-5834, 5836
 Barrera, P. 2138
 Barrera, R. 526
 Barrera R., R. 5592
 Barreto, A. C. 557
 Barretto, F. M. 223, 495, 1772
 Barrett, J. F. 38
 Barrett, R. K. 2871-2872
 Barrett, T. V. 3000
 Barretto, H. H. C. 842
 Barrick, R. A. 4966
 Barron, S. J. 3791-3792, 3821
 Barros, S. B. M. 1270-1271, 4026
 Barry, J. D. 3639
 Barson, G. 1472, 1886
 Bartels, P. J. 628
 Barthold, S. W. 1640, 4426, 5923
 Bartholomew, G. A. 3779
 Barthová, J. 426
 Bartler, J. 4252
 Bartlett, C. M. 3530
 Barton Browne, L. 1896, 4726, 5740
 Bartosz-Bechowski, H. 2737
 Bartsch, I. 3831, 4324
 Bartuzi, Z. 4133
 Baruah, B. D. 543
 Baruah, I. 2980
 Barutwanayo, M. 4170
 Basden, E. B. 4245
 Bashamohideen, M. 1263
 Bashiruddin, J. B. 3314
 Basimike, M. 5187
 Basith, S. A. 3788
 Basomba, A. 3309
 Basombrio, M. A. 5389
 Bass, J. A. B. 4203
 Bassi, D. G. 2267, 4626

- u, A. 5346
 u, P. S. 3226
 u, S. K. 2689
 eman, D. E. 661
 ra, C. P. 995
 res, E. 3190
 rinou, A. 3718
 t, B. D. J. 13
 telli, G. 1912
 tin, J. 1511
 tisti, A. 3108, 4759
 tu, R. S. 4083
 yrbekov, A. A. 5964
 uck, S. W. 4966
 udet, H. M. 1674
 udon, D. 4938
 uer, B. 1871
 uer, O. N. 2044
 umann, E. 2169, 3510
 umann, L. 3317
 umann, P. 388, 3317
 umann, W. 765
 umans, V. 1154-1155
 umgartner, D. L. 943, 3767,
 708, 5734
 umlein, H. 233, 5759
 ur, X. 4243
 waskar, H. S. 704, 2037
 waskar, P. H. 704, 2037
 xter, A. J. 3632
 y, E. C. 1312
 yer, E. V. 107
 yly, I. A. E. 1309
 yne, D. R. 5016
 youmi, B. M. 1156
 z, A. 1926
 zarshin, M. B. 1247
 ze, W. B. 4165
 ch, R. F. 2971, 4614
 adle, D. 3509
 adle, D. J. 481, 2881, 4104
 all, J. R. 856
 ums, B. F. 112
 ard, C. B. 2201, 4596
 ard, J. 5088
 ard, M. 4742
 ard, M. L. 1204
 asley, V. R. 2789
 aty, B. J. 352, 717, 1429,
 983
 aucournu, J. C. 2593, 4363
 audoin, E. 2632-2633
 auvais, A. 3959
 auvillain, J. C. 2849
 ch-Nielsen, S. 2606
 chowski, H. Bartosz- 2737
 ck, D. S. 4426, 5923
 cker, A. 1736
 cker, F. F. 1286
 cker, J. M. 5975
 cker, P. 1157
 cker, T. 930, 2421
 cker-Feldmann, H. 3610
 ckers, R. 1945
 cket, E. B. 4178, 5176
 ckman, R. J. 1246
 nel, J. J. 2309, 2706
 dell-Hogan, D. 4537
 der, G. 2490
 dnarek, A. 3330
 ehler, J. W. 5536
 ena, S. 1120
 esley, W. 2654
 esley, W. N. 3068, 5249
 s, O. U. 1176
 ghian, M. A. 4842
 ghin, I. 4467
 glinger, R. 4572
 unke, J. M. 2569
 er, J. C. 1398, 2957, 3002,
 628, 4645, 5118, 5124-
 125, 5128, 5530, 5631,
 647
 cker, P. 5529
 rturganov, B. B. 2710
 áková, A. 2450
 anger, J. H. 2139
 ani, K. 4896
 der, M. C. de 5752
 doménico, H. R. 4064
 Belgium, The Antwerp Trypa-
 nosomiasis Causal Modelling
 Group 4466
 Bell, D. S. 2863
 Bell, J. P. 4066
 Bell, R. J. 3904
 Bell, W. J. 5042
 Bell-Sakyi, L. 3824
 Bellas, T. E. 1078, 3074
 Bellec, C. 1035, 1037
 Bellen, H. J. 4534
 Bellés, X. 3516, 3520, 4570,
 5469
 Belli, A. 5619, 5621
 Bellissima, P. 2612
 Bello, T. R. 3709
 Bellony, S. 515
 Bellström, L. 1198
 Belpomme, M. Best- 5773
 Belton, O. C. 5550
 Belton, P. 1428, 5550
 Belyamina, S. I. 243
 Belyavskaya, N. A. 356
 Ben-Ismaïl, R. 1854, 3016,
 3289, 4672
 Ben-Osman, A. 4672
 Ben-Rachid, M. S. 1854, 3289
 Ben-Rashid, M. S. 4672
 Ben-Said, M. 3289
 Ben-Shalom, A. 4764
 Ben-Yaakov, B. 3061
 Ben-Yakir, D. 1536
 Ben-Ze'ev, I. S. 2702
 Benach, J. L. 1641, 3274,
 4898
 Bendina, D. 2629
 Benedictis, J. A. de 1932
 Beneš, H. 455
 Benevenga, N. J. 903, 3498
 Bengis, R. G. 571
 Benitez, D. C. Guevara- 5854
 Benitez-Rodriguez, R. 3066
 Benke, D. 2135
 Bennett, A. D. Brandling-
 1826
 Bennett, A. J. 5949
 Bennett, C. E. 4927
 Bennett, D. 5385
 Bennett, G. W. 2178, 4559,
 4564, 5060-5062
 Bennett, H. 5578
 Bennett, J. K. 838
 Bennett, R. S. 838
 Bennett, S. G. 3815
 Bennett, S. R. 2359
 Bennetová, B. 4112
 Benoit, T. G. 5934
 Bensink, M. P. E. 2246
 Benson, A. B. 3217
 Benson, J. A. 415
 Benson, M. K. 3303
 Bentley, G. R. 3396, 4079
 Benton, A. H. 5097
 Benton, A. R., Jr. 2278
 Benz, G. 582
 Benz, G. W. 3868, 4962
 Beran, G. W. 3645
 Berardi, V. P. 4429
 Berardinelli, S. P. 1246
 Berg, A. M. vande 2286
 Berg, M. J. van den 211
 Bergé, J. B. 1056, 2144
 Berge Henegouwen, A. van
 5781
 Berger, B. W. 4892, 4904
 Bergeron, D. 471
 Bergman, T. 5767
 Bergroth, E. E. 5083
 Bergstrom, R. 2554
 Berijaya 4845
 Berkebile, D. R. 4700
 Berkelhamer, R. C. 2265
 Berkenkamp, S. D. 2907
 Berkvens, D. 1140
 Berland, B. 338, 4229
 Berlimer, E. 4111
 Bermúdez, A. C. 1200
 Bermudez, H. 3007-3009,
 3292
 Bermudez, I. 481, 2882
 Bernal, H. C. Arredondo- 962
 Bernard, G. Vattier- 3024,
 5642
 Bernard, W. 4923, 4925
 Bernard, W. V. 5386
 Bernardes, D. de Souza 3005
 Bernardi, A. 3682
 Bernes, A. 2751
 Bernheimer, A. W. 3955
 Bernier, J. 4036
 Bernier, L. 5943
 Bernier, R. L. 414
 Berns, B. 1189, 2167, 4154
 Bernstein, H. 2329, 5612
 Bernstein, R. M. 923
 Berre, R. le 1034
 Berridge, M. J. 5722
 Berruacos V., J. M. 644
 Berrueta, T. U. 2194
 Berry, C. 2685, 5942
 Berry, C. L. 841
 Berry, I. L. 4700
 Berry, J. S. 3482
 Berry, W. J. 153, 1794, 3645
 Berry, W. L. 2049
 Bersan, L. V. 1676
 Bertels, G. 212
 Bertrand, M. 3725-3726
 Bervoets, L. 2856
 Berzhets, V. M. 322, 3204
 Besselaar, T. G. 4401
 Bessot, J. C. 1160, 4353
 Best-Belpomme, M. 5773
 Bester, M. N. 5318
 Betancourt, J. Macias 3381
 Betke, P. 2387
 Betowski, L. D. 1287
 Betschart, B. 2216
 Bettini, S. 3011
 Betts, L. S. 5867
 Betz, T. G. 1205, 1214
 Beugnon, G. 3465
 Beurskens, P. T. 3350
 Bever, H. P. van 3207
 Beveridge, T. J. 2692
 Bevier, D. 5184
 Beyenbach, K. W. 3458, 5148
 Beyer, W. B. 1356
 Beyssat-Arnaouty, V. 2255
 Bezuidenhout, J. D. 3826,
 5828, 5830, 5840, 5843
 Bhalla, A. 1941
 Bhargava, S. K. 3373
 Bhaskar, P. S. 3360
 Bhaskara Rao, P. 4940
 Bhaskaran, G. 2138
 Bhat, H. R. 2944, 2984, 5355
 Bhat, V. S. 2731
 Bhatnagar, P. 420, 1267
 Bhatt, R. M. 997-998
 Bhattacharya, L. 4998
 Bhattacharya, S. 3025, 5004
 Bhattacharyya, D. R. 999
 Bhushan, C. 4811
 Bhusnurmath, S. R. 1941
 Bhutani, K. K. 3360
 Bhuvanakumar, C. K. 5749
 Bhuyan, M. 1024, 1028, 2982,
 4683
 Biagi, G. L. 832
 Bianchi, A. G. de 4709
 Bianco, A. E. 1860
 Bianconcini, M. S. C. 5454
 Biberoglu, K. 1507
 Biberoglu, S. 1507
 Bibi, H. 42
 Bichet, H. 5253
 Bicker, G. 2848
 Bickley, W. E. 4182
 Bidleman T. F. 2796
 Bidmon, H. J. 1894
 Bidochka, M. J. 3957
 Biendl, M. 1320
 Bietlot, H. 1228
 Bigalke, R. D. 5843
 Bigliardi, E. 2182, 4139, 5479
 Bigras-Poulin, M. 3042
 Bil'dushkinova, L. M. 4480
 Bilgrami, A. C. 3329
 Bilíková, M. 5921
 Biliński, S. M. 5481
 Billen, J. P. J. 624, 3131
 Billimoria, F. R. 5345
 Billingsley, P. F. 494, 1771,
 2240, 3535, 4145
 Bilsel, P. A. 3006
 Bilyalov, Z. A. 1780
 Bimangou, A. S. 3024
 Bin, C. 2846
 Bin, F. 3107
 Binder, L. S. 1174
 Binding, P. L. 108
 Binenfeld, Z. 2102
 Bingham, J. B. 256
 Binnington, K. C. 223, 1532
 Binz, H. 1795
 Biosca, J. A. 3459
 Birch, D. 3681
 Bircher, L. 1273
 Bird, P. E. 3790
 Birju, B. 5872
 Birkenbeil, H. 4566
 Birkhaus, A. 2064
 Birley, M. H. 550, 1399, 2321,
 4186
 Birnbaum, J. 4278
 Birnie, E. F. 2476
 Biryukova, N. P. 504
 Bischoff, E. 2011, 2526, 3205
 Biscoe, M. Tyndale- 574
 Biševac, L. 3627, 3629, 5821
 Bishop, D. H. L. 352, 377,
 1225, 1628
 Bishop, D. M. 3071, 3533,
 4848
 Bisset, J. A. 5593
 Biswas, H. 2648
 Biswas, S. 3089
 Bitsch, C. 1121-1127, 1129
 Bitsch, J. 1121, 1124-1127,
 1129
 Bitton, S. 2702
 Bjamba, B. 4793
 Bjöklund, T. 889
 Black, K. G. 5979
 Black, R. W., II 3719
 Black, W. C., IV 1367, 1395,
 3604
 Blackburn, N. K. 2049, 4401,
 4812
 Blackith, R. 1716
 Blackmore, M. S. 5532
 Blacksell, S. D. 5373
 Blagbrough, I. S. 4
 Blagburn, B. L. 2770
 Blagburn, J. M. 3512, 4555
 Blainey, A. D. 1158, 4341-
 4342
 Blais, C. 3493
 Blais, Y. 4036
 Blanchard, D. L. 3376
 Blanchflower, W. J. 5336
 Blanco, C. C. 1257
 Blanch, C. E. 3440
 Blandino, E. 4416
 Blaney, W. M. 1661, 4981
 Blank, R. H. 2863
 Blanton, W. E. 3764
 Blaser, K. 2447
 Blaskó, G. 4975
 Blatchley, W. S. 255
 Blatt, M. R. 4484
 Blaustein, L. 126, 931, 1011,
 2264
 Blažin, V. 486, 672, 921
 Blenkinsopp, J. 1601
 Blinn, D. W. 1776
 Blinov, A. G. 594
 Blinov, V. M. 594, 5893
 Blissard, G. W. 5402
 Blitchington, R. 2623
 Blizzard, T. A. 2092
 Bloch, D. 2008
 Block, W. 4236
 Bloemer, S. R. 1573, 1967,
 5291
 Blok, J. 4402, 4885
 Blomquist, G. J. 917, 2875,
 3452, 3651, 4706, 5474
 Bloomcamp, C. L. 3054, 3142
 Bloomquist, J. R. 3981, 4011
 Blum, J. J. 2644
 Blum, M. S. 1516, 3782

- Bobian, R. J. 2348
 Bochkova, T. G. 3556
 Bocirnea, C. 766
 Bockarie, M. 3632
 Bockarie, M. J. 3035
 Böckeler, W. 3234
 Bocquene, G. 1285
 Boddington, R. G. 532, 1828
 Bode, L. E. 2715
 Bodrova, Yu. D. 2363
 Boemare, N. E. 4485-4486
 Boerbooms, A. M. T. 768
 Boersma, E. 511
 Boethel, D. J. 2724
 Boewono, D. T. 4623
 Bogachev, S. S. 594, 5759
 Bogdanova, E. N. 2079
 Bogdanowicz-Cichy, I. 488
 Boggio-Sola, L. 5751
 Bogoyavlensky, G. V. 1010
 Bohan, C. 3891
 Böhmer, L. 4905
 Bohn, H. 29, 34
 Bohne-Matusall, R. 2730
 Böhnke, M. 4732
 Boid, R. 3824
 Boike, A. H., Jr. 2295, 2842, 4632
 Boinas, F. S. 3820, 3823
 Boiro, I. 5907
 Boisvenue, R. J. 3357, 4722
 Bokel, M. 1663
 Bokonjić, D. 3375
 Boland, L. M. 3168
 Bolat, I. 229
 Bolin, R. A. 547, 2250, 3890
 Bollenbacher, W. E. 5149
 Bolmer, M. 2246
 Bolton, B. 1292
 Boman, H. G. 3122
 Boman, I. A. 3122
 Bommer, W. 3540
 Bonaccorsi, R. A. 5878
 Boncek, V. M. 1682
 Bond, W. S. 2165
 Bondari, K. 1059
 Boner, A. L. 4339
 Bonfatto, O. E. 2540
 Bonomo, W. C. 43
 Boobar, L. R. 947, 1380-1381, 1832, 2160, 2729, 2840, 3163, 4616
 Boorman, J. 552, 5640
 Boorman, J. P. T. 1399
 Booth, T. F. 656, 4785
 Booth, W. 1509
 Boray, J. C. 4326
 Borders, D. B. 3348, 4501-4502
 Bordino, C. 4249
 Bordón A., C. 3101
 Boreham, P. F. L. 858
 Borgia, G. 4573
 Borios, P. 5255
 Borisevich, I. V. 5759
 Borisov, S. N. 5794
 Bořkovec, A. B. 3461
 Borovsky, D. 5456
 Borowiec, L. 3088
 Borrel, S. 5438
 Borremans, F. A. M. 1616
 Borst, A. 1062
 Borut, S. 2356
 Boschini, C. 5748
 Bose, S. G. 1796, 5566
 Boshell, J. 4673, 5199
 Bosia, S. 2100
 Bosler, E. M. 4923, 4925, 5386
 Bosman, A. 5620
 Bošmanský, K. 5921
 Boström, B. 4747
 Botelho, J. R. 5492, 5506
 Botella, L. M. 4251
 Botha, P. 4905
 Botros, B. A. M. 2619, 3912
 Bouček, Z. 4266
 Bouchard, D. C. 856
 Boudas, D. G. 4489
 Boucree, M. C. 1329
 Boudin, C. 4156
 Boughton, C. R. 1630, 5911, 5913
 Bougis, P. E. 3862
 Bouillon, D. R. 4369
 Boukouvalas, J. 129
 Boulanger, N. 2216
 Boulard, C. 2406
 Boulard, Y. 3927-3929
 Boulet, M. 5255
 Boulos, M. 5910
 Bounias, M. 5614
 Bouquental, M. 3557
 Bouquety, J. C. 3561
 Bourdeau, P. 675, 2405
 Bourdon, V. 3124
 Bourème, D. 1737
 Bourgouin, C. 1230, 5935
 Bourke, S. J. 4419
 Bourquin, A. W. 2804
 Bourrillon, A. 1206
 Bourvin, A. 2103
 Bouseman, J. K. 5292
 Bousquet, J. 320, 326, 3309, 4275
 Boutibonnes, P. 5939
 Boutin, J. P. 3896
 Bowdan, E. 1898, 4135
 Bowditch, R. D. 388
 Bowe, M. 581
 Bowen, F. L. 3696
 Bowen, G. S. 731
 Bowen, I. D. 5047
 Bowen, R. 2344
 Bowessidjaou, J. 5927
 Bowler, K. 2828
 Bowles, D. E. 9, 4626
 Bowles, V. M. 3069
 Bown, D. N. 944, 5543
 Bownes, M. 5
 Boxshall, G. A. 3872
 Boyce, K. W. 18
 Boyce, W. L. 1990
 Boyd, I. 5972
 Boyd, K. R. 4409
 Boyer, J. E., Jr. 2866
 Braack, L. E. O. 498, 571
 Brabin, B. J. 2230
 Bradfield, J. Y. 2176
 Bradley, D. J. 2230
 Bradley, F. A. 5698
 Bradley, J. S. 2163
 Bradley, R. A. 335
 Bradley, T. J. 2265
 Bradshaw, W. E. 1392
 Brady, J. 1868, 2377, 3048, 5215
 Brady, R. H. 1824
 Braga, R. R. 3284
 Brake, J. 422
 Bramley, A. J. 204, 3663
 Branco, T. 4258
 Brancucci, M. 254
 Brand, A. 4367
 Brand, J. M. 274
 Brandenburg, K. 37
 Brandicourt, O. 1792
 Brandling-Bennett, A. D. 1826
 Brando, T. 3863
 Brandt, R. W. 1582
 Brandt, W. E. 3888
 Brandtner, H. M. 1894
 Branses, G. 5274
 Branski, D. 4367
 Bras-Hereng, F. 1226
 Brasca, M. G. 4979
 Brasil, D. P. 5928
 Brasileiro, V. L. F. 5498
 Brattsten, L. B. 3979
 Braun, S. 1650
 Braun, V. 4078
 Braunitzer, G. 5771
 Braverman, Y. 2345, 3622, 5565
 Bravo, J. 4375
 Bravo, J. R. 3898
 Bravo E., S. 4512
 Bray, R. S. 3291
 Braza, B. Rodriguez- 5854
 Brazil, B. G. 3010
 Brazil, Empresa de Pesquisa Agropecuária do Estado de Mato Grosso S. A. 2735
 Brazil, O. V. 5880
 Brazil, R. P. 3010
 Brealey, C. J. 4227
 Breene, R. G. 1836
 Breer, H. 2135
 Breeuwer, J. A. J. 210
 Brégégère, F. 2399
 Breit, R. 2063
 Breitschwerdt, E. B. 1196, 1637
 Brenner, Z. 491
 Brenner, D. J. 2610
 Brenner, F. W. Hickman- 2696
 Brenner, R. J. 1319, 1323, 1748, 2184
 Brenner, R. R. 442, 2197, 2916-2918, 3407-3408, 5494
 Brès, P. 715
 Brewer, J. H. 333
 Brey, P. T. 2975
 Briceño-Léon, R. 4496
 Bride, J. M. 1056
 Briedis, D. 2676
 Briegel, H. 1371, 1373, 1795, 1802
 Brightwell, R. 4207, 4211-4212, 5687
 Brignoli, P. M. 1290
 Brihuega, J. M. 693
 Brikman, V. D. 2620
 Bristow, G. A. 338, 4229
 Brito Soares, A. 5158
 Britt, A. G. 1325
 Britt, D. P. 3722
 Brittain, J. E. 1303
 Britton, D. W. 5416
 Britton-Davidian, J. 5589
 Broadmeadow, M. 3671
 Broce, A. B. 1455, 1470
 Brociek, W. Skassa- 320
 Brockhouse, C. 4203
 Brockis, D. C. 4827
 Broderick, M. P. 418
 Broderick, J. R. 521, 2229
 Broekman, J. A. C. 220
 Brogdon, W. G. 2971
 Bronswijk, J. E. M. H. van 2011
 Brookes, A. 3318
 Brookhart, G. L. 3678
 Brooks, D. L. 5339
 Brooks, R. J. 4823
 Broom, A. K. 1822
 Broomfield, G. L. 1382
 Brose, E. 5747
 Broski, F. H. 2729
 Brosnan, M. E. 797
 Brossard, M. 1144-1145, 5287
 Brossut, R. 2892
 Brouqui, P. 2617, 5312
 Brouri, O. 4910
 Brousseau, R. 788, 5937
 Brouwer, W. 2323
 Brown, A. F. 1672, 4875
 Brown, B. V. 4241
 Brown, C. J. 3836
 Brown, D. A. 5225
 Brown, D. F. 4006
 Brown, D. T. 4164
 Brown, E. 454
 Brown, E. B. 69
 Brown, G. W. 3262
 Brown, J. E. 1991-1992
 Brown, M. R. 1804, 2233, 2342
 Brown, R. C. 2787
 Brown, S. C. 2514
 Brown, S. E. 2584, 2590-2591
 Brown, S. J. 371
 Brown, S. K. 1690
 Brown, T. 930, 1205
 Brown, V. 772
 Brown, W. A. 2004
 Brownawell, B. J. 2760
 Browne, G. Leigh- 569
 Browne, L. B. 1896, 4726, 5740
 Brownson, E. A. 4706
 Bruce, L. G. 4882
 Bruce, W. A. 4826
 Bruce, W. G. 4221
 Bruce-Chwatt, L. J. 2241
 Bruckner, D. A. 3399
 Bruin, D. de 41
 Brun, R. 4688
 Brun, T. 1689
 Brundin, L. 3087
 Brunner, C. 4907
 Brussaard, L. 3095, 3723, 3727-3728, 3730-3732, 4113
 Brust, R. A. 2979, 4620
 Bruton, M. N. 1
 Bruylants, B. 2856
 Bryan, J. H. 4094-4100, 4521, 5137
 Bryant, E. H. 5712
 Bryant, J. 3920, 4432, 4926
 Bryson, T. A. 4065
 Bryukhanova, L. V. 1782
 Bucens, M. R. 4881
 Buch, P. 762
 Buchan, P. 3492
 Buchanan, D. J. 3844
 Buchatsky, L. P. 2672
 Büchi, R. 2202
 Buchwalder, R. 5984
 Bucio Torres, M. I. 1763
 Buck, W. B. 2789
 Buckland, S. J. 2113
 Buckley, S. M. 2584
 Buco, S. M. 2724
 Buczek, A. 299
 Buecher, E. J. 3328
 Buhl, K. J. 3090
 Bujak, D. I. 2622
 Bukva, V. 1583
 Buletsa, B. A. 3244
 Bull, C. M. 4794
 Bull, D. L. 4558, 5934
 Bulletin of the World Health Organization 4939
 Bullock, M. W. 4502
 Bülow, T. 4499
 Bund, W. van de 4747
 Bundoc, V. G. 2625
 Bunkis, J. 580
 Bunn, D. S. 3125
 Bunner, B. L. 1380-1381, 1832, 2729
 Burchard, G. D. 1810
 Burchard, I. 2465
 Burckhardt, D. 1714
 Burgdorfer, W. 1637, 3258, 4787, 5293
 Burge, R. 5588
 Burger, J. F. 5671
 Burges, H. D. 2661, 2686
 Burgess, E. C. 4428, 4924
 Burgess, N. R. H. 4884
 Burioni, R. 2616
 Burk, W. R. 3440
 Burke, D. S. 738, 3246, 3888, 4885
 Burkot, T. R. 1004, 1811, 2228, 2230
 Burmeister, V. 315
 Burness, A. T. H. 4413
 Burney, M. I. 3290
 Burns, E. 2875, 2890
 Burns, E. L. 5474
 Burnyoczky, V. 5453
 Bureson, E. M. 2563
 Burrige, L. E. 423
 Burrige, M. J. 5829
 Burrous, J. 5360
 Burse, V. W. 4067, 5439-5440
 Burzacott, D. 4794
 Büscher, G. 297-298
 Buschmann, H. 2634
 Buser, H. R. 829
 Bush, R. K. 253
 Bushway, A. A. 471
 Bushway, R. J. 471
 Businco, L. 5397
 Bustos, J. 3241
 Busvine, J. R. 4972
 Butcher, B. T. 273, 4283
 Butcher, J. O. 1549

- tenko, A. M. 1010
 th, J. L. 4620
 tler, B. J. 2715
 tler, J. F. 1059, 1539, 4596
 tlin, R. K. 1920
 tt, T. M. 3963-3964
 azrov, A. I. 855, 4507
 chkova, M. V. 2581, 5897
 ford, R. L. 2389, 3982, 5701
 kova, Kh. I. 3326
 strov, V. F. 1177
 strova, E. A. 1010
 bañas, G. del Angel- 944
 bras, P. 4514
 ccamise, D. F. 1575
 cccone, A. 4545
 cceres, E. 4673, 5199
 de, P. 1693
 dogan, B. L. 2077
 i, J. 2589
 i, L. P. 60-61
 iado, J. M. 1540, 3820, 3823
 irms, J., Jr. 3361
 kmak, A. 676
 labi, P. 3135
 labrò, A. 2540
 lamari, D. 3388
 lderón, M. 2971
 lderón F., C. J. 5252
 ldwell, R. T. 5064
 lisher, C. H. 716, 754, 1357, 1566, 1633, 2344, 2585, 2595, 3626, 4888, 5180
 llaghan, A. 3031
 llahan, J. L. 960, 1391
 lleri, M. 2100
 logero, S. 2688
 lver, M. C. 3132
 lvez, D. 3621
 margo, E. P. 3967
 margo, M. T. V. 4778
 mazine, S. 5782
 mbournac, F. J. C. 5158
 meron, H. D. 2028
 meron, P. J. 867
 mhi, J. M. 2873, 3514
 mino, N. B. 5944
 moni, I. 816, 2790, 4513
 mp, D. K. 341
 mpan, M. 2107, 5724, 5727
 mpan, R. 3465
 mpaner, M. 3967
 mpbell, A. R. 325, 4132
 mpbell, C. C. 5161
 mpbell, G. H. 2993
 mpbell, G. L. 3889, 4377
 mpbell, J. 4603
 mpbell, J. M. 868
 mpbell, W. C. 4963-4964, 5029
 mpbell, W. R. 422
 mpion, D. G. 402
 mponez Bianconcini, M. S. 5454
 mpos, E. G. 96, 99, 1186, 5526
 mpos, E. S. 5594
 mps, F. 609, 3520, 4265, 4570
 mps, J. C. Fontecilla- 2559
 mpton, D. E. 172
 mus, E. 646, 5833-5834, 5836
 nadian Veterinary Journal 769
 naris, A. G. 484, 2186
 ndy, D. J. 3136
 neiro, M. C. Couce- 5519
 nestri-Trotti, G. 5852
 nonica, G. W. 4472
 ntani, A. 5397
 ntera, R. 1891
 ntoni, C. 2808
 ntora, R. 5310
 ntwell, M. A. 100
 o, G. J. 2852
 o, R. F. 2391
 o, X. C. 4195
 Cao, Z. H. 2218
 Capelli, G. 5750-5751
 Caplan, Y. H. 5735
 Capner, P. Morgan- 662
 Capone, J. 2067
 Capron, A. 510, 2444-2445, 3768, 4276-4277
 Caracappa, S. 4438
 Carareto, C. M. A. 3720
 Caravalho, M. G. C. 2592
 Carbajal, G. L. 5518
 Carbonell, E. 1680
 Carcavallo, R. U. 47
 Cardines, R. 5369
 Cardozo, H. 2491
 Caretta, G. 4955
 Carey, D. 2588, 4396
 Carey, D. R. 3485
 Carey, P. 1228
 Caria, M. 4472
 Carini, C. 3308
 Carlberg, M. 1891
 Carle, D. O. 3384
 Carle, F. 2100
 Carline, T. E. 2464
 Carquist, M. 5767
 Carlson, D. A. 1937, 3444
 Carlson, D. B. 2955
 Carlson, J. H. 2576
 Carlson, K. 3318
 Carlson, S. D. 5040
 Carlton, C. E. 1931
 Carmen Martínez García, M. del 2572
 Carmichael, I. H. 290, 313
 Carneiro, M. 5505
 Carnevale, G. 4249
 Carnevale, P. 522, 1009, 2215, 3601, 4156, 5600
 Caro, R. R. 485
 Carollo, A. 4436
 Carpels, G. I. 3051
 Carpenter, J. M. 1513
 Carr, R. 5267
 Carranza de Storani, M. M. 2761
 Carrao, P. 4076
 Carrasco, J. L. V. 2572
 Carrasquilla, C. F. de 4673, 5199
 Carrillo, A. 4622
 Carroll, J. 4484
 Carroll, J. F. 629, 3816
 Carruthers, R. I. 5401
 Carson, D. S. 2904
 Carstensen, E. L. 2416
 Carter, A. O. 1208
 Carter, G. P. 2696
 Carter, G. T. 3348, 4501-4502
 Carter, M. 3468
 Carter, R. 2217, 2226, 2230, 5170
 Carter, S. D. 5385
 Carton, Y. 3115
 Căruntu, F. 766-767
 Căruntu, V. 766
 Caruso, R. 4442
 Carvajal, H. 3580
 Carvalho, F. G. de 5928
 Carvalho, M. E. D. 5594
 Carvalho, M. L. 4864
 Carvalho, P. A. 516
 Carvalho, R. R. 2773
 Carvalho Moreira, C. J. de 2192
 Carver, D. J. 1727
 Casabianca, A. 4249
 Casal-Porto, M. 5490
 Casas, J. 3520, 4570
 Case, S. T. 233-235, 5760
 Case, T. J. 2458
 Casey, R. J. 2855
 Casida, J. E. 1250, 1279, 1281, 3454, 3519
 Cassidy, C. T. 108
 Cassier, P. 3516
 Cassone, J. 2472
 Castagliuolo, P. P. 5394
 Castagnoli, M. 3842
 Castañaza, L. A. 2971
 Castañeda G., J. 5610
 Castellano, M. C. 4242
 Castellanos Ortiz, J. A. 3381
 Castilho, F. 4018
 Castillejos G., R. 644
 Castillo, C. 1969
 Castillo, F. V. de la Cruz 348
 Castillo Olivares, C. 3381
 Castillo R., A. R. del 5252
 Castle, N. A. 3861
 Castleberry, D. T. 972, 5531
 Casto, C. 4442
 Castro, M. M. T. de 5596
 Castro, V. L. 1260, 2772
 Castro Gomes, A. de 5601, 5603, 5988
 Castro Romero, R. 4862
 Castryck, F. 4360
 Cattaneo, A. 5607
 Cattani, J. A. 2230
 Catterall, W. A. 3225
 Causey, S. C. 2693
 Cavalcante, S. M. B. 3895
 Cavangare, D. O. 4231
 Cavera, C. la 784
 Cawthorn, R. J. 4309
 Cazorla, D. 4675
 Cazorla P., D. 5644
 Cech, J. J., Jr. 972, 4629, 5531
 Cedillos, R. A. 49
 Cedrone, C. 4911
 Ceianu, C. 474
 Čejchan, A. 904
 Celino, L. P. 1284
 Cellot, P. B. 1304
 Čepelák, J. 1884, 2214
 Čepelák, S. 2214
 Cerci, A. Streinu- 766
 Ceresér, V. H. 2477
 Černý, V. 1554-1555, 4302
 Cerulli, L. 4911
 Cesbron, J. Y. 510
 Ceylan, S. 4973
 Chabaud, A. G. 1654, 3929
 Chadd, E. M. 2318
 Chadee, D. D. 979, 981, 1420, 2322, 2966-2967, 4636, 5113, 5136, 5578, 5791
 Chaffai, M. 4672
 Chagwedera, T. E. 2942
 Chai, J. J. 4676
 Chaika, S. Yu. 5212
 Chainey, J. E. 5685
 Chakraborty, B. C. 2981-2982
 Chakraborty, S. 3025
 Chakravarty, A. K. 4200
 Chalabi, B. M. Al- 2327, 4613, 5560
 Chalaye, D. Baghdassarian- 1765
 Chalk, R. 3632
 Challberg, M. D. 2674
 Chalmers, S. 2518
 Chalupský, J. 5920
 Chamberlain, C. 1002
 Chamberlain, R. W. 895
 Chamberlain, W. F. 1914, 2386, 4237
 Chambers, G. M. 1834
 Chambers, H. W. 5000, 5967
 Chambers, J. E. 4021, 5000, 5967
 Chamot, E. 5927
 Champion, R. 2629
 Chan, C. S. 107
 Chan, K. L. 3616, 3618, 4157, 4172, 5575
 Chand, G. 1365
 Chandenier, J. 2350
 Chandler, F. W. 4445
 Chandra, S. 2779
 Chandra, U. 2981
 Chandrahas, R. K. 545
 Chandrashekar, R. 516
 Chaney, J. D. 82, 131, 2341, 4621
 Chang, C. 2757
 Chang, C. J. 4976
 Chang, C. P. 4130
 Chang, G. J. 3890
 Chang, H. N. 685, 4167
 Chang, J. L. 4134, 4557
 Chang, L. 3363
 Chang, L. Y. 4167
 Chang, M. S. 4157, 5575
 Chanock, R. M. 4381
 Chansang, J. 5595
 Chap, H. 1127
 Chapel, S. 881
 Chaplin, G. L. 556
 Chapman, M. A. 2670
 Chapman, M. D. 324, 1162, 2530, 3302
 Chapman, P. A. 1471, 1888
 Chareonsook, O. A. 509
 Charlette, R. 2539
 Charlwood, J. D. 550, 1421, 2321, 4156, 4189
 Charnley, A. K. 396, 1236, 4488, 4960, 5943
 Charpin, D. 4278
 Charpin, J. 4278
 Charpin, P. 5041
 Chase, J. 2875
 Chastel, C. 664, 2593, 5823
 Chatelanat, P. 5927
 Chatterjee, B. P. 5326
 Chattopadhyay, S. 4246
 Chaudhry, M. Q. 5974
 Chaudhry, S. 3564
 Chaudhuri, P. K. 1086, 4246
 Chaudonneret, J. 4118
 Chauvaux, J. 1232
 Chauhan, P. P. S. 4307
 Chauhan, S. S. 4044
 Chaumont, A. J. 5466
 Chauvin, G. 607
 Che, W. X. 4661
 Checko, P. J. 3255
 Cheema, A. A. 4784
 Chege, G. M. M. 5118
 Cheke, R. A. 4679
 Cheli, E. 3117
 Chellappa, E. 4846
 Chema, S. 3855
 Chemeris, V. A. 5572
 Chen, A. C. 576, 3060, 5240
 Chen, C. C. 2237, 4167
 Chen, C. F. 309
 Chen, C. P. 3689
 Chen, C. S. 5182
 Chen, E. 387
 Chen, H. L. 2218
 Chen, J. M. 4655
 Chen, K. Q. 5859
 Chen, L. 2234
 Chen, P. H. 1222, 4655
 Chen, Q. W. 1414
 Chen, S. F. 1227
 Chen, T. S. 813
 Chen, W. F. 2224
 Chen, W. K. 4676
 Chen, X. G. 26
 Chen, Y. J. 3377
 Chen, Z. E. 3321
 Chen, Z. S. 5011
 Cheney, J. M. 1224
 Cheng, X. B. 4356
 Cherepanov, A. I. 5446
 Chermette, R. 3669
 Chernish, S. I. 1486
 Chernoguz, D. G. 2441
 Chernov, Yu. V. 2219
 Chernykh, E. G. 1785
 Chesney, C. J. 1999, 4828
 Chesterman, M. P. 289
 Chevalier, G. 4036
 Chevier, S. 1550
 Cheville, J. C. 3646
 Cheville, N. F. 3646
 Chew, L. M. 2959
 Chhabra, M. B. 3813, 5824
 Chiang, A. S. 1743
 Chiang, G. L. 2990, 5108
 Chiang, H. C. 5120
 Chiang, J. A. 1770, 3537
 Chiang, R. G. 1770, 2925, 3537
 Chiappinelli, V. A. 3505
 Chiarisoli, O. 5253
 Chichino, G. 4249
 Chidumayo, E. N. 5017

- Chiera, J. W. 639, 5813
 Chikatsune, M. 1646
 Chilcott, C. N. 4483
 Childs, J. E. 5207
 Chin I, C. 4674
 China, Shandong Malaria Assessment Contingent 4447
 Chinzei, Y. 1576, 1970, 2480
 Chirico, J. 208, 3661
 Chirikashvili, R. V. 1775
 Chizyuka, H. G. B. 1135-1136
 Chmielewski, W. 1593
 Cho, D. J. 2864
 Cho, J. H. 4052
 Cho, Y. J. 2987
 Choe, J. C. 4849
 Choe, M. 1225
 Chongswasdi, V. 3887
 Choochote, W. 2296, 5120
 Choudary, B. M. 5417
 Choudhuri, P. C. 5371
 Choudhuri, S. K. 546
 Choudhury, A. 3620
 Chowanadisai, L. 535
 Chowdhury, D. K. 3025
 Chrispeels, M. J. 888
 Christensen, B. 209
 Christensen, B. M. 1794, 3237, 3478, 4168, 4399
 Christensen, B. N. 3509
 Christensen, T. A. 3463
 Christian, P. D. 5403
 Christie, B. M. 3922
 Christie, G. D. 4635
 Christóforo, M. T. 3152
 Christophel, E. M. 3540
 Christophers, A. J. 3380
 Christophoratos, T. 3718
 Chromý, J. 5775
 Chua, K. Y. 4331
 Chuah, C. H. 4286
 Chugh, K. S. 1941
 Chulkova, N. V. 2500
 Chumak, V. A. 3231
 Chumakova, I. V. 1783
 Chumbley, L. C. 1201
 Chumo, D. A. 1448, 1876-1877
 Chumo, R. S. 2645
 Chung, S. I. 4889
 Chungiatupornchai, W. 1231
 Chungue, E. 3896, 5364, 5369
 Chunikhin, S. P. 295, 1988
 Chunina, L. M. 2219
 Church, G. E. 1016, 1441
 Chusattayanond, W. 3932
 Chusova, V. N. 1688
 Chvála, M. 3045, 5756
 Cicchino, A. C. 4142
 Cichy, I. Bogdanowicz- 488
 Cieslik, R. 5528
 Cilek, J. E. 2268, 3059
 Ciprandi, G. 4472
 Cirrincione, V. 4416
 Clabough, D. 2509
 Clanton, K. B. 98, 963
 Clardy, J. 1653
 Clark, D. R., Jr. 1265, 1673
 Clark, F. 62-63
 Clark, G. C. 1366, 1406
 Clark, L. 3828
 Clark, S. 5449
 Clark, T. P. 2802
 Clarke, A. R. 2187
 Clarke, B. S. 4988
 Clarke, F. C. 1537
 Clarke, G. M. 225, 5227
 Clarke, J., Jr. 5528
 Clarke, J. L. 157
 Clarke, J. L., III 3599
 Clarke, P. S. 3202
 Clarke, S. E. 4227
 Clarke, T. 785, 4979
 Clarkson, J. M. 5943
 Class, T. J. 3454
 Claire, J. L. 3007-3009
 Clausen, P. J. 4746
 Claustre, J. 515
 Clauzel, A. M. 320, 326
 Clay, M. E. 1354
 Claydon, N. 4958
 Claypool, P. L. 3821
 Clayton, D. H. 2896, 2899, 4577
 Cleland, P. C. 3534
 Clément, J. L. 5727
 Clements, A. 5336
 Clercq, E. de 4408
 Clifford, C. W. 5324
 Clifford, H. F. 2855
 Cline, R. E. 5432
 Clinton, P. M. 4272
 Cloarec, A. 57
 Clottens, F. 4716
 Cloud, R. M. 2724
 Cloudsley-Thompson, J. L. 2815
 Cmarik, G. F. 5703
 Coast, G. M. 3457
 Coats, J. R. 2757, 5962
 Cobbold, T. S. 1300
 Cobon, G. S. 669, 4288
 Cocatre-Zilgien, J. H. 912-913
 Cochran, D. G. 4137
 Cochran, M. 5360
 Cochran, M. A. 5360
 Cochran, A. H. 4653
 Cock, K. M. de 761
 Cockburn, A. F. 79, 1809, 3567
 Cocke, J., Jr. 4702
 Coelen, R. J. 1627
 Coelho, H. S. L. 1768
 Coen, D. M. 2674
 Coene, J. 2946
 Coetzee, M. 1385, 1387, 2334, 2867, 3608
 Coffin, D. P. 4779
 Coffmann, W. P. 232
 Cogley, T. P. 3706
 Cohen, A. 3353
 Cohen, D. 5386
 Cohen, D. P. 4923, 4925
 Cohen, E. 2809
 Cohen, J. E. 3490, 4552
 Coimbra, J. 4018
 Coimbra, T. L. M. 5910
 Cokendolpher, J. C. 627, 634, 1951
 Colacci, A. 833, 2098
 Colazza, S. 3108
 Colbo, M. H. 5658
 Cole, C. L. 3217
 Cole, J. 5768
 Cole, M. D. 4981
 Coleman, B. 3228
 Coleman, R. E. 1648, 1856, 3551-3552, 3630, 5169
 Coleman, R. J. 2835
 Coler, B. G. 1495
 Collett, G. 5972
 Collett, G. C. 2841
 Colli, C. Wisnivesky- 52, 5504
 Collin, J. E. 4746
 Collingwood, A. 1948
 Collingwood, C. A. 2459, 3774
 Collins, F. H. 1825-1826, 2233, 2331, 2342, 2993, 3566, 4614, 5138, 5627
 Collins, G. H. 4839
 Collins, M. L. 2569
 Collins, W. E. 521, 2229, 5173
 Collis, K. 4573
 Collisson, E. W. 4889
 Colloff, M. J. 686, 2012, 3200-3201, 3497
 Colombo, P. 4418
 Colomo de Correa, M. V. 636
 Columella, L. J. 1694
 Coluzzi, M. 1793, 4156, 5624-5626, 5630
 Colvin, B. A. 1918
 Colvin, J. 1868
 Colwell, A. E. 11, 113, 940, 1372, 4665
 Colwell, D. D. 802, 2407, 5250
 Colwell, D. S. 1084
 Comendador, M. 4477
 Comendador, M. A. 2673
 Comer, C. M. 914
 Comer, J. A. 5190-5191
 Companioni, D. Rojas 3381
 Compton, S. J. 3782
 Comte, P. 4912
 Conceição-Silva, F. M. 3186
 Conchon, I. 3967
 Condreay, L. D. 4164
 Conesa-Gallego, E. 5645, 5649-5650
 Conn, J. 3633, 5203
 Connat, J. L. 1138, 1958
 Conner, G. E. 128
 Consoli, R. A. G. B. 5596
 Consolim, J. 5604
 Constantine, N. T. 3254
 Constantinescu, S. 766-767
 Constenla, M. A. 5441
 Contamine, D. 4476
 Contancin, L. Roy- 5886
 Contreras, M. L. 2885
 Contreras, V. T. 1337
 Convit, J. 1433
 Conway, G. R. 2812
 Cook, B. J. 4698
 Cook, E. K. 93
 Cook, W. J. 4823
 Cooksey, L. M. 2367, 2487, 2494, 3157, 5299-5300
 Cookson, W. O. C. M. 3303
 Coombe, P. E. 5248
 Coons, L. B. 1535, 1971, 2498
 Cooper, G. L. 1851
 Cooper, J. F. 3043
 Cooper, R. A. 4562
 Cooper, R. M. 1236, 4488, 5943
 Cooper, S. D. 1307
 Coosemans, M. 4170
 Cope, S. E. 154, 3600, 5138
 Copeland, A. R. 849
 Copeland, C. A. 1692-1693
 Copeland, R. 4628
 Copeland, R. S. 4607, 5260
 Copeman, B. 3929
 Coppelstone, J. F. 2713
 Coppock, R. W. 4051
 Corbet, P. 2966
 Corbet, P. S. 2322, 2967, 3597-3598, 4159, 5576
 Corbet, S. A. 1715
 Corbitt, T. S. 411
 Cordell, G. A. 4975
 Cordero, C. 2189
 Cordero del Campillo, M. 1183
 Cordon-Rosales, C. 2971
 Corey, D. T. 2026
 Corkum, L. D. 5462
 Corn, J. L. 5190-5191
 Cornand, G. 4908
 Cornect, M. 797
 Cornel, A. J. 549, 966
 Corner, L. C. 4406
 Cornet, M. 1813
 Corpuz-Raros, L. A. 2845
 Corrao, G. 2100
 Correa, B. L. 2477
 Corredor, A. 4673, 5199
 Corriere, G. 4417
 Cortés, E. 4251, 4737
 Cory, J. S. 3941
 Coscarón, M. del C. 48, 5083
 Coscarón, S. 3635
 Cossins, A. R. 2828
 Costa, A. J. 3152
 Costa, A. J. dos S. 2379
 Costa, L. G. 3369, 3415
 Costa Dourado, M. I. 5192
 Costantini, R. 5520-5521
 Coste, F. 4866
 Costero, A. 670
 Cot, M. 2215
 Cotard, J. P. 1218
 Cottam, R. C. 3710
 Cotter, R. 5065
 Couce-Caneiro, M. C. 5519
 Couch, C. A. 194
 Couch, J. A. 2663
 Couch, J. N. 3440
 Couderc, J. L. 881
 Coughlin, J. S. 2295, 4632
 Coulanges, P. 1548, 2642, 3894, 5450
 Coulson, J. R. 2835
 Couraud, F. 5272
 Courbot, M. C. Georges- 5906
 Courcy Williams, M. de 4746
 Couri, M. S. 5710
 Courtright, P. 4430
 Coutinho, M. A. 5158
 Coutinho, R. M. 5505
 Coutinho, S. G. 3435
 Cova, C. Gómez- 5592
 Covarelli, G. 810
 Coverman, M. H. 3936
 Cox, J. L. 4962, 4966
 Coz, J. 4619
 Cozab, N. 3711, 5746
 Cozma, V. 302
 Crăcea, E. 766-767
 Craddock, C. F. 3303
 Craig, C. L. 2550
 Craig, G. B., Jr. 975, 1824, 2283, 3570, 4607
 Craig, M. E. 5701
 Cramer, L. G. 582, 2410
 Crampton, J. 1007, 3019
 Crandell, R. W. 4889
 Cranston, P. S. 2421, 4243
 Cranwell, M. P. 5384
 Crespi, B. J. 2854
 Cressa, C. 587
 Creus, A. 1680
 Crewe, R. M. 992, 5129
 Crews, C. 2110
 Crim, J. W. 1804
 Cripe, C. R. 2804
 Cripps, C. 3452, 5037
 Crissman, J. W. 2693
 Cristi V., R. 4512
 Crites, J. L. 2711, 4490-4492
 Crnjar, R. 1890, 3041
 Crobach, M. J. J. S. 619
 Croft, L. R. 2119
 Croft, S. L. 2637
 Crofton, K. M. 1682
 Croizier, L. 2673
 Crombie, L. 3438
 Cromroy, H. L. 3841
 Crook, B. 4832
 Crook, G. D. W. 4832
 Cropp, C. B. 4888
 Crosby, B. L. 2389, 5701
 Crosby, T. 654
 Crosby, T. K. 3030
 Cross, H. R. 4076
 Crosskey, R. W. 560, 879
 Crossland, N. O. 2795
 Crothers, J. H. 4547
 Crouse, G. D. 3357
 Crowe, T. M. 3
 Croy, P. 1928
 Croze, H. 5313
 Cruzier, R. H. 4776
 Crucitti, P. 4368
 Cruz, M. A. O. M. da 1116
 Cruz, M. C. Santa- 4737
 Cruz, M. D. Soler- 3066
 Cruz Castillo, F. V. de la 348
 Cruz-Landim, C. da 5499
 Csont, M. 5012
 Cuany, A. 1056
 Cuba, C. C. 557
 Cudmore, W. W. 1591
 Cuellar, L. H. 5001
 Cuffney, T. F. 3379, 5043
 Cui, C. Q. 5268
 Cuisance, D. 1872
 Culbertson, W. W. 4917
 Cullen, L. K. 4053, 4056
 Cullo, V. P. 813
 Culshaw, D. 4979
 Cumberlidge, N. 4874, 5354
 Cummins, K. W. 440, 2358
 Cunha, F. Q. 2773
 Cunha, H. C. 1452, 5492
 Cunningham, I. 2632-2633
 Cuoghi, D. 3117
 Cupp, E. W. 2505, 4185
 Cura, E. 1018
 Curl, E. A. 2094
 Curran, K. L. 2474

- ry, P. B. 856
 tis, C. F. 803, 990, 1827,
 829, 2292, 4156, 4493,
 497, 4519, 4967
 tis, G. A. 90, 2935, 2962,
 948
 tis, M. A. 5349
 tis, S. K. 5339
 hbert, B. A. 2131
 ler, S. J. 662, 1639, 4433
 rupi, V. 3682
 oinski, D. H. 5847
 mborowski, B. 1102
 brich, D. 66, 5515
 orus, Department of Agri-
 culture 3113
 , T. L. 5705
 pla, T. H. 4568
 Cruz, M. A. O. M. 1116
 Cruz-Landim, C. 5499
 Matta, J. Torres- 130
 Rosa, A. Travassos 736
 Silva, H. H. G. 5496
 Silva, I. G. 5496-5497,
 594
 Silva, W. D. 3437
 Silveira, J. N. 5596
 oa, S. 3002
 rowska-Prot, E. 702
 rowski, U. 5241
 daev, S. 1054-1055, 2378,
 650
 dd, R. H. 1801, 1833
 dzie, K. Y. 3037
 ft, J. L. 2791
 ghfous, M. T. 4913
 guisy, A. M. 3561
 nl, C. 133
 nl, R. D. 4365
 im, K. H. 2138
 , X. H. 5075
 , Z. R. 2234
 e, P. E. R. 2259
 e, S. E. 375
 e, W. E. 4865
 garno, L. 4410-4411, 4413
 hsten, D. L. 4233
 i, H. 4729
 lai, R. 3448
 rymple, J. L. 4084
 rymple, J. M. 1406
 y, K. E. 5314
 ne, D. A. 965, 2307, 3077,
 634, 5948
 melio, R. 5394
 amico, M. 424
 nrongphol, P. 2300
 nrow, T. 3809
 nchinova, G. A. 2051
 nforth, H. D. 3238
 nge, M. P. 252
 niel, J. C., Jr. 2508
 niel, M. 1554-1555
 niel, V. Pp- 5205, 5666
 niels, E. 393, 2256
 niels, R. W. 2813
 niels, T. J. 3166
 nilov, V. N. 163, 1702,
 847
 nks, H. V. 10, 14, 5045
 non, Y. L. 1635
 Antonio, C. 1311
 Antonio, M. 5502
 oud, W. 5195-5196
 by, W. M. 947, 1312
 byshire, J. H. 4832
 chenkov, N. N. 5197
 riet, F. 2215
 ji, N. 197
 ling, D. C. 611, 1933
 ougar, S. 360
 sie, R. F., Jr. 951, 1298,
 362, 2299
 skaya, N. F. 1779
 vas, B. 5245
 wazeh, H. A. 86, 115, 938,
 61
 wish, M. 3912
 y, O. 4604
 , C. C. 824
 , L. K. 4664, 5168
 Daš, M. 4793
 Das, M. 2648
 Das, M. K. 1422
 Das, N. G. 542, 2980-2981,
 4683
 Das, P. K. 2653, 3210, 4158,
 5165, 5168, 5445, 5447
 Das, S. C. 1024, 1028, 2980,
 2982, 4683
 Das Gupta, S. C. 5346
 Dasgupta, S. 1272
 Dash, A. P. 1422
 Dastugue, B. 881
 Datta, M. 5656
 Datta, P. K. 3226
 Datta, T. K. 3226
 Dattoli, V. 1076
 Dattwyler, R. J. 4424, 4899,
 4901
 Daur, Z. N. D. Al- 2001
 Dauterman, W. C. 3652, 5936
 Dauth, J. 1537
 Dave, B. N. 5345
 Davey, K. G. 1767, 1769-
 1770, 2925, 3537
 Davey, R. B. 443, 2487, 2494,
 3157, 4301
 David, B. 3205
 David, B. V. 814
 David, P. H. 2226
 Davidar, P. 3817
 Davidian, J. Britton- 5589
 Davidson, B. S. 3744
 Davidson, E. W. 1002, 3595
 Davidson, G. 5945
 Davidson, M. G. 1196
 Davidson, R. S. 2113, 4421
 Davidson, S. 5720
 Davies, C. S. 2232
 Davies, D. M. 5202
 Davies, F. G. 743, 950, 2306,
 3906, 5359
 Davies, J. B. 3032, 3034-3035
 Davies, L. 2394
 Davies, M. N. 3338
 Davies, R. J. 1158, 3208,
 4341-4342
 Davies, R. L. 5047
 Davies, V. T. 3222
 Davis, A. L. V. 597, 3742
 Davis, A. N. 99
 Davis, D. P. 4838, 5869
 Davis, D. R. 3106, 3445
 Davis, D. T. 3468
 Davis, E. G. 1256
 Davis, G. 4603
 Davis, J. P. L. 477
 Davis, M. R. 2249
 Davis, R. Rosell- 1535, 2498
 Davis, S. R. 5353
 Davis, T. 2297
 Davis, W. L. 1118
 Davoust, B. 1199, 5312
 Dawood, A. E. Abou 3395
 Dawson, A. 5972
 Dawson, C. R. 4430
 Dawson, G. W. 1378, 5587
 Dawson, J. 1214, 3676-3677
 Dawson, J. E. 1213, 2630
 Day, J. F. 101, 948-949, 2253,
 2935, 2962, 5114, 5539
 Day, T. H. 1920
 Dayal, D. 1483
 De Almeida, A. M. P. 5928
 De Almeida, C. R. 5928
 De Almeida, D. C. 3010
 De Azambuja, P. 1337
 De Barjac, H. 2681
 De Belder, M. C. 5752
 De Benedictis, J. A. 1932
 De Bianchi, A. G. 4709
 De Bruin, D. 41
 De Carrasquilla, C. F. 4673
 De Carvalho, F. G. 5928
 De Carvalho Moreira, C. J.
 2192
 De Castro, M. M. T. 5596
 De Clercq, E. 4408
 De Cock, K. M. 761
 De Deken, R. 215
 De Groot, A. 3350
 De Groot, H. 372
 De Haro Arteaga, I. 1763
 De Herrera, J. R. B. 1741
 De Herrera, M. A. 3580
 De Jager, C. 666, 1551
 De Jonge, J. T. 317
 De Kock, A. E. 1520
 De Kort, S. 2889
 De la Cruz Castillo, F. V. 348
 De la Merced Stoka, A. 442
 De la Rosa, M. E. 8
 De la Torre, F. 386, 5935
 De la Torre-Bueno, J. R. 5032
 De las Llagas, L. 779
 De Lauschner, M. Mazzarri
 4058
 De Licastro, S. A. 2921
 De Lima, M. E. 2032
 De Loof, A. 1731, 1902, 4716,
 5066, 5724
 De Luca, F. 445
 De Luca, M. 4444
 De Maria, M. 5492
 De Meeus, T. 3874
 De Meillon, B. 5641
 De Mello, C. A. 5739
 De Menezes, J. A. 3010
 De Muynck, A. 4467, 4523
 De Oliveira, F. 3990
 De Oliveira, S. M. P. 3010
 De Pablo, J. 2108
 De Piceis Polver, P. 5479
 De Raadt, P. 4470
 De Renobales, M. 3452, 5037
 De Ruzza, F. J. 2379
 De Sanchez, N. 2195
 De Santis, L. 48
 De Silva, L. M. 3245
 De Sole, G. 3037
 De Souza, A. A. A. 3284,
 3541
 De Souza, F. T. P. 1452
 De Souza, W. 4407
 De Souza Bernardes, D. 3005
 De Souza Garcia, E. 1337
 De Toledo, Z. D. A. 1741
 De Vos, A. J. 303, 3151
 De Vos, V. 5832
 De Zoysa, A. P. K. 1850,
 5170
 Dean, D. A. 701
 Dean, V. C. 5181
 Deaton, M. L. 2866
 Debenham, M. L. 4094, 4094-
 4095, 4095-4096, 4096-
 4097, 4097-4098, 4098-
 4099, 4099-4101, 4521,
 4521
 DeBoer, D. J. 4943
 Decker, H. 1172, 2558
 Decker, T. N. 2179
 Deco, M. A. di 5629-5630
 Decock, J. 1231
 Dedet, J. P. 4103, 4932
 Dedié, J. C. 5380
 Dedkov, Yu. M. 437, 2109
 Dees, W. H. 1398, 1542, 1971
 Deesin, T. 5186
 Deets, G. B. 339
 DeFoliart, G. R. 903, 3498,
 5536
 Degani, Y. 3977
 Degheele, D. 3323, 3945
 Deinard, A. S. 37
 Deister, A. 19
 Dejardin, G. 319
 DeJonge, J. O. 404
 Deka, K. N. 3334
 Deken, R. de 215
 Dekker, A. 2798
 Dekonenko, E. P. 3275-3276
 Del Angel-Cabañas, G. 944
 Del Carmen Martínez García,
 M. 2572
 Del Castillo R., A. R. 5252
 Del Frate, G. 4955
 Del Hoyo, N. 4039
 Delabie, J. H. C. 3143
 Delalbre-Belmonte, A. 5196
 Delany, M. F. 2570
 Delbecque, J. P. 1125
 Delcomyn, F. 912-913, 3503
 Delécluse, A. 1230, 5935
 Delgado, L. 5592
 Delgado Montoya, N. 4109
 Delic, J. I. 4882
 Deljac, V. 2102
 Dellacasa, G. 4257
 Dell'Erba, A. 1076
 Delmache, P. 3905
 Delmastro, B. 4249
 DeLoach, J. R. 575-576, 1883,
 2016
 Delord, B. 4400
 Deloya, C. 1924
 Delph, L. A. 2268
 Delucchi, C. M. 3487
 Delvare, G. 4088
 Delves, C. J. 2225
 DeMark, J. J. 4559, 5061
 DeMasi, J. M. 4273
 Demiaszkiewicz, A. W. 1169
 Demirhan, O. 1805
 Demkin, V. V. 5918
 Demmler, G. J. 3217
 Dempsey, C. E. 4268, 4760,
 5785
 Dempson, J. B. 4369
 Dempster, S. J. 2266
 Den Abbeele, J. van 4209
 Den Driessche, P. van 1239,
 1241, 3337
 Denburg, J. L. 5064
 Denegri, G. M. 684
 Deneris, J. 4586
 Deneubourg, J. L. 1944-1945
 Deng, S. S. 2243
 Denholm, I. 403, 1887
 Denisov, P. S. 3253
 Denlinger, D. L. 1080, 1909,
 3689, 4719, 5236
 Denmark, H. A. 3841
 Dennig, H. K. 2191
 Dennis, R. D. 5241
 Deo, A. M. 704
 Deorani, V. P. S. 4713
 DePaoli, R. T. 329
 Der Hammen, L. van 863
 Der Kraan, C. van 4506
 Der Vaart, H. R. van 4550
 Dereure, J. 5195-5196
 Dergacheva, T. I. 2352, 5197
 Derksen, A. C. G. 2665
 Derron, J. O. 2162
 Deryfo, A. 1556
 Desaiiah, D. 2096, 4029, 4996
 Deschle, W. E. 184
 DeShazo, R. D. 4283
 Deshmukh, P. B. 2778
 Deshpande, L. 516
 Desjeux, P. 4932, 5194
 Desoutter, D. 870, 3240
 Despins, J. L. 247-248, 1930,
 3748
 Despommier, D. D. 5031
 Desproges-Gotteron, R. 653
 Dessaint, J. P. 2444, 4276
 Desve, G. 772
 Dethier, V. G. 1898, 3467
 Detmar, U. 2063
 Dettterline, J. L. 3881
 Dettori, G. 2616
 Deunff, J. 4317-4318
 Deutzmann, R. 2618
 DeVaney, J. A. 3829
 Devaraj, K. V. 5890
 Devaraj, K. V. 5891
 Devauchelle, G. 3939
 Devey, M. E. 4271
 DeVries, M. C. 4867
 Dewair, M. 4243
 Dewald, L. B. 3596
 Dey, B. 538
 Dey, L. 824
 Deyoe, W. L. 3646
 Deyrup, M. 3139
 Dhadialla, T. S. 3160, 4800,
 5287
 D'Haeseleer, F. 4209
 Dhamu, K. P. 3426
 Dhanaraj, P. S. 420

- Dhanda, V. 54, 2944, 2984, 5146, 5361
Dhar, S. 4811
Dhawan, S. S. 332
Dheranetra, W. 1269
Dhillon, M. S. 82, 4621
Dhingra, S. 2753, 5524
Dhivert, H. 320, 326
Di Deco, M. A. 5629-5630
Di Gangi, M. 4415, 4439
Di Muccio, A. 816, 4513
Di Netta, J. 5028
Di Perri, G. 4437
Di Rosa, S. 1355, 2059, 2614-2615, 4416-4418
Diab, F. M. 5301
Dias, J. C. P. 50, 5501, 5505
Dias da Silva, W. 3437
Diaz, C. 5593
Díaz, I. 1282
Díaz, J. L. 3780
Díaz, M. 5591
Díaz-Lopez, M. 3066
Díaz-Saez, V. 4788, 5822
DiBenedetto, A. 4250
Dickerson, D. 84
Dickinson, C. M. 4978
Dickson, D. L. 155
Dico, C. lo 5735
Dieges, P. 3309
Dieges, P. H. 5395
Diehl, P. A. 1138
Dierickx, S. 1231
Dietz, K. 2239, 4469, 4649
Diez, J. L. 4251, 4737
Diffie, S. K. 5276
Dignam, S. S. 5760
Digoutte, J. P. 1548, 4888
Dik, B. 5310
Dillon, R. J. 4960
Dillon, S. M. 328
Dillwith, J. W. 5211
Dilworth, R. J. 4331
Dimarq, J. L. 1906, 5235
Dimentman, C. 3575
Dimitrov, M. 1685
Dimitrowa, J. 4510
Dimock, R. V., Jr. 683
Dimond, J. B. 4969
Dinan, L. 1954
DiNapoli, J. 37
DiNapoli, J. B. 38
Dinçer, Ş. 676-677, 695
Dindal, D. L. 2521
Ding, Z. G. 2243
Dinga, J. S. 5493
Diniz, C. R. 2032
Diotaiuti, L. 5501, 5505
DiPietro, J. A. 2755
Disney, R. H. L. 238, 3422, 4741
Disous, C. 510
Dittmann, F. 4615
Divers, T. J. 2053
Dix, M. E. 3485
Djamgoz, M. B. A. 476, 3676-3677
Djupsund, K. 3674
Dmitriev, G. A. 1010
Dneprovskaya, L. G. 2620
Do Rosario, V. 512, 2227
Do Rosario, V. E. 1423, 3551-3552, 5162
Dobbert, D. J. 3973
Dobec, M. 4379
Döbler, I. Wagner- 1493
Dobracki, W. 5381
Dobritsa, A. P. 5405
Dobrokhov, B. 2713
Dobson, A. P. 4546, 4549
Dobson, H. M. 3043
Dobson, K. J. 3534
Dobson, S. E. 1381, 2729
Doby, J. M. 1550
Doche, B. 4295
Doctor, J. 454
Doddema, L. 3350
Dodge, D. E. 5811
Dogaru, D. 767
Doggett, S. L. 3593-3594
Dogra, G. S. 4141
Dohara, K. 955
Doherty, R. 4600
Doherty, R. L. 5912
Dohm, D. J. 2489, 3796, 5290
Doisy, K. E. 4221
Dojiri, M. 339
Doku, C. 2377
Dolan, R. B. 1451
Dolan, T. T. 776, 5313
Dolder, H. 2924
Doll, J. 1205
Dollery, C. 4475
Dolmen, D. 5510-5511
Dominey, A. 3190
Domínguez, S. 2059
Dommarco, R. 2790, 4513
Don, A. W. 1516
Don, P. C. 4837
Donahue, J. F. 5439
Donahue, W. A. 2769
Donaldson, R. A. 3671
Dondale, C. D. 3215
Dondero, D. V. 107
Dondi, A. 3341
Donelson, J. E. 4587
Dong, X. S. 1416, 5557
Donovan, B. J. 3123
Dood, S. B. 5516
Dorchies, P. 5253
Dorman, D. C. 2789
Dorn, H. 2543
Dorothy, J. 100
Dorris, P. R. 3220
Dorsselaer, A. van 5235
Dos Santos, J. R. 46
Dos Santos Costa, A. J. 2379
Doddall, L. M. 1032, 5434
Doti, F. 1149
Dotson, E. M. 1138, 1958
Doty, R. E. 1296
Dou, G. L. 1347
Dou, H. F. 5307
Doube, B. M. 571, 597, 3741
Douce, G. K. 1248
Doucet, M. M. A. 2073
Doughty, R. A. 3250
Douglas, A. E. 2147
Dourado, M. I. C. 5192
Douri, Z. Al- 2001
Dove, D. E. 4280-4281
Dowd, J. P. 914
Dowd, P. F. 1667
Dowell, R. V. 892
Dowler, R. C. 1981
Dowling, P. Whitaker- 4409
Downe, A. E. R. 941, 1771, 3535, 4145
Downer, R. G. H. 1723, 1734, 2888, 3501
Downes, B. J. 674
Downes, J. A. 2859
Downes, W. L., Jr. 3686
Downie, N. M. 255
Downing, H. A. 2451, 3771
Downs, W. G. 4387
Downum, K. R. 5034
Dowton, M. 1892
Doyle, C. 3941
Draber-Moňko, A. 1460
Drabick, J. J. 330
Drake, C. R. 2080
Dransfield, R. 4211-4212
Dransfield, R. D. 1048, 2373, 4207, 5687
Dreborg, S. 3309
Dreesen, D. W. 2579
Dreier, M. 1644
Dremova, V. P. 2759
Dreux, P. 3091
Drewes, C. D. 5962
Drexler, M. 1001
Dreyer, M. J. 1537
Dreyfus, P. 5978
Driessche, P. van den 1239, 1241, 3337
Dritz, D. A. 4953
Drobniowski, F. A. 389
Drobyshevskaya, E. I. 5917
Drotnos, G. M. 1053
Dronka, T. 3902
Drummond, R. O. 1549
Dryden, M. W. 1346, 2212, 4593
D'Silva, T. D. J. 3342
Du, K. S. 1360
Du Heaume, G. J. 862
Du Plessis, J. L. 5835
Du Preez, L. 4609
Dua, V. K. 935, 2311
Duan, X. M. 4195
Duan, Y. X. 3191
Duarte, M. J. F. 5878
Dubitsky, A. M. 5591
Dubois, A. 3905
Dubois, A. L. M. 3441
Dubois, D. R. 3246, 4381
Duca, A. V. 4321
Ducasse, F. B. W. 5806
Duce, I. R. 2385, 3655
Ducey, A. M. 4306
Dudgeon, D. 3085, 3687-3688
Dudich, A. 67-68, 285-286
Dudley, T. R. 2141
Duffault, J. M. 1662
Dúha, J. 66
Dujardin, J. C. 3292
Duke, B. O. L. 5393
Dukes, J. C. 2252, 2786, 5947
Dukes, P. 4689
Dulaimi, S. I. Al- 4671, 4818
Dumas, J. L. 2704
Dumas, M. 653
Dumler, J. S. 4918
Dumnicka, E. 1305
Dunbar, B. 5235
Dunbar, R. W. 1440
Dunbar, S. J. 532
Duncan, I. J. H. 4995
Dunger, W. 2121
Dunn, F. L. 721
Dunn, J. K. 39
Dunsmore, J. D. 3698
Dunson, W. A. 4260
Duque, S. 5199
Duran, J. C. Guilan- 5491
Duray, P. 2057
Duray, P. H. 1640, 4897
Durbin, R. K. 4408
Durden, L. A. 501, 4325, 4582
Durham, S. R. 3303
Durica, D. S. 5719
Dušábek, F. 1557, 1583
Dusenbery, D. B. 3978
Dutro, S. M. 3577
Dutt, N. 5427
Dutta, G. P. 1221, 2988
Dutta, L. P. 999
Dutta, P. 543, 999
Dutta, T. 4246
Duve, H. 3680, 4718
Duverseau, Y. T. 518, 4654
Duyn, J. W. van 591
Duzak, D. 2276
Dwinger, R. H. 2371, 4215
Dwyer, K. G. 2665
Dybendal, T. 4355
Dyce, A. L. 5651
Dye, C. 2239, 2239, 2637, 3022, 4929
Dyssell, J. C. G. 5930
Dyulsaliev, R. P. 5917
Dziecielska, D. 1579
Dzn, J. D. M. 619
Eads, R. B. 1566
Eamchan, P. 509
Earle, M. Fitz 1245
Earlé, R. A. 3
Easter, E. P. 404
Eastman, M. D. 4228
Easton, E. R. 4817
Eastwood, E. B. 5818
Eaton, B. T. 5373
Eaton, K. 1166
Eauclaire, M. F. Martin- 2032
Ebbes, A. 4506
Ebeid, A. 4190-4191
Eberhard, M. J. West- 1513
Eberhard, M. L. 4654
Ebermann, E. 4323
Ebertz, M. J. 831
Ebied, S. A. 4025
Ebing, W. 2817
Ebner, H. 2533
Echeverria, O. M. 4736
Eckard, D. M. 506
Eckels, K. H. 2983, 3246, 4165, 4381, 4405
Eckerskorn, E. 1172
Eckert, J. 1181
Eckert, M. 30
Eddins, T. R. 93
Edgecomb, R. S. 3679
Edman, J. D. 101-102, 344, 464, 1648, 1856, 2291, 2359, 2953, 2962, 2985, 3630
Edmonds, W. D. 3724
Edney, A. T. B. 2657
Edwards, D. D. 683
Edwards, D. L. 2684
Edwards, J. B. 3374
Edwards, J. C. 475
Edwards, J. F. 4889
Edwards, J. P. 412, 4284, 5070
Edwards, M. S. 1213
Edwards, P. B. 3098
Edwards, P. J. 2094
Edwards, R. M. 3750
Edwards, W. 2785, 3792
Edwards, W. C. 3750, 4060
Efird, P. 2307
Egelhaaf, M. 3657, 4712
Egarter, D. E. 1396, 1819, 3589
Egge, H. 5241
Eggert, A. K. 249, 3749
Eggleston, P. A. 324, 4834
Egidius, E. 4015
Egorov, N. S. 391, 5938
Ehrich, M. F. 4046
Eichhorn, A. 4078
Eichler, W. 1750, 1755
Eichner, M. 1857
Eichwort, G. C. 5280
Eickstedt, V. R. D. von 2036, 5888
Eickwort, G. C. 2439
Eid, N. 2636
Eidelman, J. 428
Eidson, M. 930
Eikeland, T. J. 1303
Eimeren, B. van 3133
Einarsson, R. 1942
Einterz, E. M. 761
Eisemann, C. H. 1480, 3671
Eisenbeis, G. 2818
Eisenberg, E. 3459
Eisner, M. 5048
Eisner, R. 4925
Eisner, T. 3744, 5048
Eitrem, U. R. 3012
El-Abdin, Y. Z. 3699
El-Akad, A. S. 132, 4627
El-Alaoui, M. 1393
El-Allawy, T. A. A. 298
El-Attar, H. 2636
El-Badri, A. A. 2635
El-Dirdira, N. I. 4055
El-Gammal, S. 224
El-Gayar, F. 3494
El-Gazzar, L. M. 3548
El Hussein, A. 1429
El-Husseini, M. M. 4147, 4160
El-Kordy, M. W. 4218
El-Magd, M. M. A. 2635
El-Mofty, M. M. 3543
El-On, J. 928
El-Said, S. 3912, 5128, 5140, 5647
El-Said, S. M. 3002, 5646
El Sammani, S. E. 3613
El-Sawaf, B. M. 3002, 5188, 5646-5647
El-Sawalhy, A. 2636
El-Sayed, S. 3023
El-Sebae, A. H. 2758
El-Sewedy, S. M. 4025
El-Shenawy, M. A. 3394
El-Shoura, S. M. 660, 1568, 4293
El-Toukhy, M. A. 4025

- Yousfi, M. 3109
 war, M. Farage- 4040,
 046
 efrawi, A. T. 4041-4043,
 952
 efrawi, M. E. 4041-4043,
 952
 ridge, B. F. 109, 121, 2712,
 889, 4377
 y, S. M. 4882
 a, A. J. 5478
 ason, D. A. 92, 96, 952,
 631, 5526
 eev, L. N. 2352
 zur, A. 4724
 ner, K. P. 5979
 ar, D. J. 378, 385, 389,
 90, 4483-4484
 gaard, E. G. 3129
 ott, C. 2094
 ott, E. G. R. 5840
 ott, M. 406, 821, 2082-
 084, 2745-2747
 as, A. E. 5348
 as, J. A. 1530
 as, R. A. 4620
 ason, G. T. H. 5793
 , D. A. 1537
 ayed, S. 4355
 e, G. R. 4766
 en, P. 561, 3636
 henawy, K. B. 967
 er, O. 3734
 asila, M. 4930
 inga, R. J. 2118
 bden, F. I. van 3110
 el'yanova, N. D. 1572
 el'yanova, O. Yu. 3204
 erson, K. C. 36, 2898
 mons, R. W. 107
 ord, D. E. 1407
 cinas-Grandes, A. 1853,
 806, 5825
 do, K. 383
 dres, M. J. 5894
 dris, R. G. 1540, 2476,
 486, 3626
 g, K. L. 2990
 g, T. R. 2605
 gber, B. 2280
 gel, H. G. 4841
 gel, T. 2454
 gers, H. D. 5460
 ghoff, H. 4374
 gland, M. J. 361
 glender, S. J. 37-38, 1205
 gler, R. 856
 gström, G. 889
 nos, A. R. 1359, 1477,
 142-2143, 3475
 o, R. O. A. 2185
 sor, K. L. 430
 ling, P. 1949
 twistle, P. F. 606, 3941,
 479
 yong, P. 1857
 enstein, J. M. 1735
 recht, T. 829
 stein, R. L. 4076
 smus, B. H. 5376
 smus, B. J. 1184
 imeeva, L. S. 2754
 emina, O. Yu. 2091
 ckson, G. A. 5190
 csson, C. 5767
 csson, G. F. 3850
 cksson, M. 5866
 cksson, N. E. 1098
 andsson, A. 1342
 nichev, Y. 5607
 st, A. 2181
 st, W. R. 801
 ss, J. 2380, 5599
 hadi, M. R. Y. 91
 hova, L. S. 1780
 vin, J. D. 971
 vin, T. L. 891
 incioglu, Y. Z. 226, 1067,
 408, 4236, 5467
 udero, L. O. 4427
 el, E. 1275
 Eskola, P. 3351
 Espaine, L. 4805
 Espejo, J. M. T. 5194
 Espi, A. 2414
 Espinosa-Fuentes, F. P. 1057
 Espinoza-Medinilla 4584
 Espmark, A. 5357
 Esponera, D. 5856
 Esposito, F. 1793, 4454, 4461,
 5624
 Essenberg, R. C. 1534, 1960
 Essuman, S. 3160
 Esterman, A. J. 3374
 Estes, S. A. 331
 Estrada-Peña, A. 4314-4316,
 4803
 Estridge, D. A. 2183
 Eto, M. 823, 1060, 2734,
 5221, 5228, 5245, 5955
 Etten, J. van 2698
 Etzel, R. A. 5432
 Euzeby, J. 1183
 Evans, A. C. 3733, 4608-4609
 Evans, C. C. 3843
 Evans, D. A. 4674
 Evans, D. V. 5009
 Evans, H. C. 865
 Evans, J. 785-786
 Evans, K. T. 5047
 Evans, P. D. 2131
 Evenhuis, N. L. 3430
 Evered, D. 5449
 Evgen'eva, T. P. 5350
 Evtenko, V. L. 288
 Ewan, P. W. 1159
 Ewert, A. 2959
 Ewing, A. W. 1477, 3675
 Ewing, C. P. 659, 1968, 1980
 Ewing, S. A. 973-974, 3791-
 3792, 3821
 Exner, S. 3402
 Eymann, M. 3033
 Eysker, M. 1490
 Ezike, V. I. 1409
 Fabbri, F. 2808
 Fabre, M. 2998
 Fabrias, G. 609
 Fabricius, J. C. 4114
 Fabritius, K. 4756
 Fadok, V. A. 5185
 Faerber, N. L. 3090
 Fagasiński, A. 1465-1466,
 1488, 1587, 1608
 Fagbami, A. H. 5372
 Fain, A. 2017, 2524, 3195,
 3214, 3401, 4363-4364,
 4820
 Fainsod, A. 2697
 Fairbanks, K. 1967
 Fairbrother, A. 838
 Fairchild, G. B. 3038
 Faizi, S. 2732, 4974
 Fakan, S. 4736
 Falcão, A. R. 5463
 Falco, R. C. 3166, 4292
 Fallon, A. M. 137
 Fallon, M. J. M. 3491
 Falomo, A. 253
 Falomo, A. A. 3746
 Falope, Z. F. 2434
 Fan, P. C. 2992
 Fan, P. F. 5480, 5805, 5859
 Fan, Y. L. 789
 Fandiño-Salorio, M. L. 5491
 Fang, K. S. Y. 1514
 Fanning, I. D. 993, 2317,
 2953, 5135
 Fanti, P. 3341
 Fantinati, M. 5852
 Farafonova, G. V. 5765
 Farag, A. A. 4983
 Farage-Elawar, M. 4040, 4046
 Faragher, S. G. 4410, 4413
 Farah, E. E. M. 3494
 Faran, M. E. 1813
 Farber, T. 856
 Farghal, A. I. 5553-5555
 Fargues, J. 5500
 Faria Duarte, M. J. de 5878
 Farine, J. P. 2892
 Farioli, L. 1108
 Farkas, R. 3845
 Farmer, B. 5528
 Farmer, F. L. 2273, 3607
 Farmer, G. R. 1118
 Farmer, J. J., III 2696
 Farnham, A. W. 821, 1887,
 2082-2084, 2739, 2745-2747
 Farnsworth, D. E. 5471
 Farr, D. V. 5053
 Farran, A. 2108
 Farrar, J. A. 4067
 Farrar, W. 2606
 Farrer, N. 4832
 Farruggia, G. 2612
 Fast, P. 1228
 Fatchurochim, S. 1454
 Fatland, C. L. 3347
 Fatnassi, S. 4910
 Fattorossi, A. 5394
 Faulde, M. 5069
 Faulkner, C. T. 2200
 Faulkner, D. B. 5703
 Faull, T. R. 2814
 Fauran, P. 5362
 Fausto, A. M. 1021
 Favinger, J. J. 450
 Fawcett, P. T. 3250
 Fayard, B. 5895
 Faye, L. 888
 Fayed, A. E. 3394
 Fazal, A. 1176
 Fechtel, K. 454
 Feder, D. 5495
 Federici, B. A. 3592
 Fedida, M. 3905
 Fedorov, E. I. 5916
 Fedorov, S. M. 5976-5977
 Fedorov, S. P. 594
 Fedorova, V. G. 1843
 Feehan, J. P. 3069
 Feener, D. H., Jr. 623
 Fegan, D. 3913
 Fehner, P. 1514
 Fehr, M. 4843
 Feigenbaum, P. 5886
 Feighny, R. 5360
 Feigl, G. 5455
 Feinsod, F. M. 5140
 Feisst, B. 2449
 Feldlaufer, M. F. 3453
 Feldmann, A. M. 2323
 Feliciangeli, D. 3003
 Fellows, L. L. 4981
 Felton, T. 4210
 Feng, X. L. 2852
 Feng, Y. 3349
 Fenselau, C. 5065
 Fenske, R. A. 5979
 Ferber, M. López- 2673
 Ferber, M. Lopez- 4477
 Ferlazzo, A. 2484
 Fernandes, A. 2519
 Fernandes, A. R. 5607
 Fernandez, M. C. Arias- 5489-
 5490
 Fernández, M. V. 3697
 Fernández, P. García- 4788
 Fernández Llanes, R. J. 348
 Fernández-Sigler, A. 3096
 Fernandez Villar, B. 3274
 Feroz, M. 5960
 Ferrando, M. D. 4024
 Ferrar, P. 5982
 Ferrara, M. 5397
 Ferrari, J. A. 1012
 Ferrari, S. F. 1116
 Ferraz Filho, A. N. 2193,
 5503
 Ferreira, C. 1057, 1764, 1766
 Ferreira, E. 45
 Ferreira, F. A. 3152
 Ferreira, S. R. A. 689
 Ferreira Alves, V. A. 5910
 Ferrer, J. 1103
 Ferrington, L. C., Jr. 232
 Ferro, C. 1018, 3003
 Ferro de Carrasquilla, C. 4673
 Ferstl, S. 34
 Ferté, H. 2974
 Fet, V. Ya. 5344
 Feyereisen, R. 5471
 Fiala, R. R. 4502
 Fiasorgbor, G. K. 4679
 Fichoux, Y. le 1219
 Fiedler, H. J. 2121
 Fields, P. 3147
 Figalla, I. 3837
 Figueira Silva, R. C. 5878
 Figueiredo, L. T. 3895
 Filipi, P. A. 3650
 Filippova, M. A. 2422
 Filippova, N. A. 2483
 Filipinski, V. 2229, 5173
 Filner, P. 3318
 Fimiani, P. 1311
 Finch, M. F. 4626
 Fincher, G. T. 3752, 4255
 Fincke, T. 4855-4857
 Findlay, S. 1709
 Findon, G. 1151
 Fingola, F. F. 2773
 Finke, M. D. 903, 3498
 Finland, Hyönteiskartoitus
 1711
 Finnerty, V. 3566, 5627
 Fiocco, G. P. 3302
 Fioravanti, M. L. 5852
 Fischbach, K. F. 3079
 Fischer, M. 2442
 Fischer, P. 4802, 5288
 Fischer-Scherl, T. 4868
 Fish, D. 1981, 2474, 3166,
 4292
 Fishbein, D. B. 1213-1214
 Fisher, M. A. 2515
 Fisher, M. E. 1241
 Fisher, M. H. 2092, 3351
 Fisher, R. C. 1295
 Fisher, W. F. 2016, 4733
 Fister, R. D. 2624
 Fitz-Earle, M. 1245
 FitzGerald, G. J. 336, 3867,
 3869
 Fitzpatrick, A. Gendron- 4428
 Fivaz, B. H. 657, 2496, 3818,
 4804, 4812, 4905, 4921
 Flambeaux, D. 5255
 Flannagan, J. F. 282
 Flannery, E. M. 3307
 Flecker, J. R. 3988
 Fleming, G. A. 150
 Fleming, R. 3975
 Fleming, R. A. 798, 4007
 Fleming, W. J. 430
 Fletcher, D. J. C. 2460, 3777
 Fletcher, J. D. 4303
 Fletcher, M. 2495
 Fletcher, M. G. 893
 Fletcher, O. J. 4057
 Fleury, H. J. A. 4400, 5908
 Flickinger, E. L. 278
 Flint, O. S., Jr. 1521
 Floore, T. G. 2295, 4632
 Florén, F. 2427
 Flores Huerta, S. 2572
 Floyd, R. B. 1135-1136
 Flynn, L. M. 1627
 Focks, D. A. 80-81, 723, 934,
 965, 5541
 Foelix, R. F. 4527
 Fogher, C. 2688
 Foil, L. D. 177, 1016, 1044,
 1441, 1443, 1632
 Fok, E. 3845
 Fok, K. F. 5471
 Foley, D. H. 4553, 5137
 Foliat, G. R. de 3498
 Folstad, I. 2411
 Fonrouge, R. 5876
 Fonseca, M. E. F. 4407
 Fonseca Filho, M. da 45
 Fontecilla-Camps, J. C. 2559
 Fontenille, D. 1548, 2258,
 3894
 Fonti, E. 4436
 Footitt, R. G. 5045
 Forattini, O. P. 74, 1388,
 3582, 5586, 5601-5603,
 5606
 Forbes, M. R. L. 4825
 Forck, G. 3121
 Ford, A. W. 4341

- Ford, S. A. 1597, 4349
 Forgash, A. J. 5713
 Forrester, D. J. 2570
 Forshaw, C. J. 517
 Fort, R. Saint- 2797
 Forti, G. C. 833
 Fortner, S. 5112
 Forward, R. B., Jr. 4867
 Foss, S. S. 2663
 Fosså, S. A. 4229
 Foster, A. G. 3850
 Foster, B. E. 1363
 Foster, W. 2606
 Foster, W. A. 5115, 5289
 Fothergill, J. 5235
 Fouché, A. 992, 5129
 Fourie, L. J. 666, 1141, 1551, 2511, 5848
 Fournie, J. W. 2663
 Fournier, B. 1737
 Fournier, D. 1056, 2144
 Fournier, M. 4036-4037
 Fournier-Massey, G. 3199
 Fournier, A. 772
 Fowler, J. A. 4575-4576
 Fox, A. P. 3547
 Fox, G. A. 2802
 Fox, M. T. 2515
 Foy, H. M. 509
 France, Union Internationale pour l'Etude des Insectes Sociaux, Section Française 2122
 Frances, A. 4554
 Francis, B. M. 4040
 Francis, B. R. 3764
 Francis, P. A. 3853
 Francis, P. H. 385
 Francke, O. F. 627
 Francy, D. B. 92, 99, 547, 1186, 1357, 1566, 2250, 2297, 4631, 5123, 5526
 Frank, J. H. 1390, 3484
 Frank, W. A. 635
 Franti, C. E. 4890, 4944
 Frants, T. G. 161
 Franzén, C. 3252
 Fraser, M. J. 2666
 Frate, G. del 4955
 Frayh, A. Al- 374
 Freed, P. S. 277
 Freedman, H. 3809
 Freedman, H. I. 2575
 Freeman, P. 2116
 Freilich, J. E. 5051
 Freitas, J. C. B. R. 2773
 Freitas, M. S. 2592
 French, A. S. 4569
 French, D. D. 1044, 1443
 French, F. E. 3039
 French, J. B., Jr. 4428
 French, T. J. 2600
 French, T. W. 1637
 Frenot, Y. 2930
 Freudenberger, T. 4343
 Frey, H. M. 3274
 Freyre, A. 4581
 Frezil, J. L. 1046
 Fridlender, B. 1650
 Fridmanis, M. I. 5518
 Friedel, T. 3681
 Friedhoff, K. T. 298, 777
 Friend, H. M. 517
 Friend, W. G. 1800
 Frigerio, A. 851
 Frink, C. R. 2716
 Frisbie, M. P. 4260
 Frisch, K. R. von 3402
 Friscia, I. 2061, 4444
 Frishman, A. 2893
 Fristrom, D. 454
 Fristrom, J. W. 454
 Fritsch, P. 3209
 Fritz, G. N. 2256, 2270
 Fritz, R. A. 3859
 Fröhlich, A. 3053
 Frølund, L. 2454
 Frommer, R. L. 2951
 Frosch, P. 3121
 Frost, A. R. 2725
 Frugulhetti, I. C. P. P. 1629
 Frutos, S. M. 4819
 Fry, J. M. 3431
 Fryauff, D. J. 5188, 5207
 Frye, R. D. 3485
 Fryer, J. C. 135, 4612
 Fuchs, M. E. A. 4560, 5069
 Fuchs, T. 4330
 Fuchs, T. W. 5295
 Fuentes, F. P. Espinoza- 1057
 Fugita, T. 5959
 Fujihara, S. 5568
 Fujimaki, N. 312
 Fujimoto, K. 5306
 Fujinaga, F. 3926
 Fujino, M. 3990
 Fujioka, K. K. 5551
 Fujisaki, K. 641, 1956, 2470
 Fujita, T. 4003, 4013, 5715, 5954, 5956-5957
 Fujita, Y. 3991, 5273
 Fukami, J. I. 3529, 4219
 Fukase, T. 3545, 3549, 4031
 Fukuda, T. 393, 1027, 2309, 2706, 5549
 Fukushi, T. 4715, 5239
 Fukushima, J. 1317
 Fukushima, M. 3521
 Fukuto, T. R. 1269, 2738
 Fukuyama, T. 312
 Fulk, G. W. 5324
 Füller, H. 2181
 Funatsu, M. 1458, 5229
 Fünfstück, V. 2364
 Funke, H. 208
 Furness, R. W. 4576
 Furtado, A. F. 2914, 5498
 Furth, R. van 1203
 Furumizo, R. T. 3199, 5332
 Fusco, R. 4682
 Fusia, J. F. 5486
 Gaafar, S. 1183
 Gaafar, S. M. 1603, 2212
 Gabaj, M. M. 1082
 Gabrio, T. 4078
 Gabrion, C. 3874
 Gabryelów, K. 1720
 Gabrys, G. 679
 Gad, A. M. 5140
 Gad, N. 4296
 Gadallah, A. I. 1542, 3158
 Gadde, J. 4942
 Gäde, G. 32-33, 3473, 4716
 Gadot, M. 1743, 2890
 Gaertner, F. 2684, 2690
 Gaevskaya, A. V. 4860
 Gafurov, A. K. 2710
 Gagarin, S. N. 1847
 Gage, K. L. 5293
 Gage, W. R. 4918
 Gagné, S. 3062
 Gaidamakova, E. K. 594
 Gaido, A. B. 3177
 Gailhofer, B. 3121
 Gainaru, M. D. 571
 Gajdová, M. 4035
 Galagan, A. Ya. 5865
 Galante, E. 5776
 Galbavý, Š. 4035
 Galcerán, J. 2850
 Galceran, J. 2145
 Gale, A. E. 3120, 3380
 Gale, K. 1007
 Galgani, F. 1285
 Galinović-Weisglass, M. 4379
 Galione, A. G. 5722
 Galizzi, A. 2688
 Galker, F. 4815
 Gall, G. A. E. 172
 Gallagher, T. M. 4478
 Gallardo, H. G. 2572
 Gallego, E. Conesa- 5645, 5649-5650
 Gallego, G. Gimenez- 5886
 Gallego, J. 616, 5488
 Gallego, J. F. 4673
 Gallego, M. 5485, 5855-5856
 Gallego M., F. L. 4109
 Galli, C. L. 3368, 3415
 Galli, J. 5767
 Galli, M. G. 4911
 Galloway, T. D. 301, 5097
 Galnares, M. G. 2572
 Galoux, M. 2751
 Gal'perin, M. Yu. 5404
 Galtier, J. 2989, 5605
 Galtier, P. 2107
 Galun, R. 1864, 2903, 3154
 Galvez, A. 5886
 Gamage, C. P. 2226
 Gamage-Mendis, A. C. 5170
 Gambino, G. 2061, 4444
 Gambino, P. V. 268
 Gammal, S. El- 224
 Gammon, D. W. 5420
 Gandevia, B. H. 1078
 Gandhi, B. M. 762
 Gandhi, S. R. 2093
 Ganesamoorthy, M. 3788
 Gangi, M. di 4415, 4439
 Ganière, J. P. 3921
 Gant, D. B. 5952
 Gantberg, A. N. 4048
 Gants, R. 5102
 Gao, G. B. 2224
 Gao, R. Y. 4072
 Gao, X. W. 17
 Garaiová, M. 5921
 Garber, R. C. 2700
 Garcia, E. de S. 1337
 Garcia, E. S. 1764, 1766, 2911, 3536, 5495
 Garcia, F. 4177
 García, I. 5591
 Garcia, J. J. 1027
 Garcia, L. S. 3399
 Garcia, M. 4177
 Garcia, M. del C. M. 2572
 Garcia, M. L. 5886
 Garcia, R. 113, 123, 940, 1372
 Garcia, S. R. 4064
 Garcia, T. A. 43
 García-Fernández, P. 4788
 Garcia-Monco, J. C. 3274, 4898
 Garcia Paloma, J. A. 2414
 García-Patrone, M. 142
 García-Regueiro, J. A. 1282
 García-Román, M. 5776
 Garcia-Scheible, I. 884
 Gardner, D. R. 5478
 Gardulf, A. 2479
 Garg, B. D. 5013
 Garg, R. C. 2769
 Garg, S. K. 5429
 Garg, V. K. 3371
 Gargan, T. P. 4645, 5125
 Gargan, T. P., II 2305
 Gargari, H. Hashemzadeh- 1058
 Garibaldi, A. 810
 Garifallou, A. 3296
 Garin-Bastuji, B. 3909
 Garippa, G. 5877
 Garms, R. 4679
 Garner, P. 1004
 Garnham, P. C. C. 880
 Garrett-Jones, C. 3022
 Garris, G. I. 4294, 4789
 Garry, P. 3561
 Gary, N. E. 470, 4124
 Garzozzi, H. 1085
 Gashumba, J. K. 4689
 Gasol, V. 4265
 Gass, R. F. 2316
 Gassmann, G. S. 2618
 Gatti, M. 4238
 Gatzka, F. 1090
 Gauci, M. 1142, 1532, 3170, 4299, 5284
 Gauer, M. 3187
 Gaugler, R. 2708, 3040, 5707
 Gaugler, R. R. 1862
 Gauld, I. 1292
 Gauld, I. D. 1110
 Gaunt, S. D. 1637
 Gaur, P. 1074
 Gautam, O. P. 4811
 Gavin, S. 978
 Gavin, T. A. 4306
 Gawad, A. M. H. A. 3699
 Gay, F. 515
 Gaydon, D. M. 4697
 Gayer, J. 776
 Gazdzik, D. 1684
 Gazin, P. 2215, 3601, 4156
 Gazzar, L. M. El- 3548
 Gear, J. H. S. 3263, 4384, 4389-4392, 4435, 4520, 5930
 Geary, M. 4094-4095, 4521
 Gebreselassie, L. 5924
 Geden, C. J. 1105, 1454, 432, 4711, 5223
 Gee, A. S. 1308
 Geery, P. R. 2298
 Geevarghese, G. 5355
 Gehring, W. J. 4534
 Gehrt, M. 1170
 Geissler, W. 4344
 Geisthardt, M. 1929
 Gelabert, J. L. 3789
 Gelernter, W. 2684
 Gelker, F. 5512
 Geller, M. 5396
 Gemert, G. J. A. van 2246
 Gemert, G. J. van 4647
 Gemmell, M. A. 3075
 Gendre, P. 4912
 Gendron-Fitzpatrick, A. 4428
 Gentilini, M. 1792
 Gentry, M. K. 3246
 George, A. O. 2434
 George, J. E. 1574, 2487, 2494, 3819, 4301, 4789
 George, J. F. 4129
 George, R. S. 1784, 5098-5099
 George, S. T. 5933
 George, T. D. St. 727, 752
 Georges, A. J. 728, 3561, 590
 Georges-Courbot, M. C. 5906
 Georgiou, G. P. 2255, 2976, 4176, 5698
 Georgiev, P. 1685
 Georgieva, E. K. 900
 Georgis, R. 4770
 Gerbaud, S. 4400
 Gerrard, D. J. 5120
 Gershwil, L. J. 2514
 Gersich, F. M. 4019
 Gerstberger, K. 2166
 Gerstmeier, R. 3087
 Gervaso, M. V. 3523-3524
 Gerwen, A. C. M. van 1896, 4726, 5740
 Gessa, C. 851
 Gethmann, R. C. 2929
 Gettinby, G. 4468
 Gettinger, D. 3188, 3193
 Gettman, A. D. 2285
 Ghafoor, A. 3290
 Gharib, A. H. 77
 Gherini, S. 580
 Ghosh, T. K. 4034
 Giangaspero, A. 5717, 5753-5754, 5873
 Giardino, R. 4238
 Gibasiewicz, W. 1759
 Gibbs, E. P. J. 726, 2344
 Gibbs, G. W. 4114
 Gibson, A. J. 573
 Gibson, A. R. 2439
 Gibson, F. D. 2230
 Gibson, G. 1868, 5215
 Gibson, G. A. P. 5271
 Gibson, G. G. 4227
 Gibson, J. D. 667
 Gibson, M. E. 2720
 Gibson, W. C. 564, 4935
 Giese, N. 2671
 Giesen, K. M. T. 1591
 Gifford, D. H. 4057
 Gigli, B. 2790
 Gilbert, D. 3427
 Gilbert, D. G. R. 2812
 Gilbert, F. S. 2569
 Gilbert, J. 2110
 Gilbert, L. E. 3133
 Gilbert, L. I. 2155, 2827
 Giles, R. 2605
 Gilfillan, R. 4926
 Gliomee, J. H. 1520, 5422
 Gill, A. 3089
 Gill, B. S. 2544

- il, D. E. 5376
 il, R. 892
 il, S. J. 2558
 il, S. S. 3588
 iler, P. S. 3741
 illes, H. M. 4937
 illespie, A. T. 1235, 4958
 illett, J. D. 4494
 imore, A. M. 2010
 imore, R. D. 2623
 imour, A. R. 1063, 1475, 3665
 lot, B. 1978, 4295
 imenez-Gallego, G. 5886
 n, T. Astier- 4400
 mevra, S. 2615
 nsberg, H. S. 659, 1968, 1980
 nsberg, M. 5161
 ordano, S. 4415, 4439-4440
 ard, J. C. 4961
 rardie, J. 1737, 3471
 rardin, P. 1145
 raudet, J. S. 764
 rault, J. P. 1706
 theko, A. K. 2957
 thure, J. 3294
 uliana, S. 4442
 adysz, A. 5381
 ancey, B. M. 622, 632, 3134, 5275
 ancy, T. 1975
 eadall, I. G. 3092
 ennon, M. 3913
 ick, J. I. 2999
 ickman, L. T. 5014
 iński, Z. 1707
 oer, J. B. 1667
 ofcheskie, B. D. 5704
 otfelty, D. 2086
 otfelty, D. E. 5026
 uckman, A. 3622
 bel, E. 4790
 bel, U. B. 2618
 ochoco, C. H. 908
 odal, T. 345
 oddard, J. 3167
 idde, J. 1901
 odelar, B. 5466
 odovannyi, B. A. 711
 edbloed, E. Minter- 3642
 off, M. S. 1652, 3585, 3961, 3964
 etz, T. E. 2630
 off, M. L. 1719, 1907, 2004, 3192-3194, 4325, 4642, 4817
 off, W. 1571
 ogala, A. 2190
 ogala, M. 2190
 ogolewski, L. 488
 oh, S. H. 4286
 ohre, K. 1279
 okan, N. 3099
 old, C. S. 4233
 old, D. 2103
 old, R. E. 806, 2179, 4970
 old, S. M. W. 1767
 oldberg, A. 3300
 olden, D. B. K. 3299, 4942
 older, T. K. 2370, 3052
 oldschmidt, M. H. 5014
 oldsmith, D. F. 1278
 oldwasser, R. 3251
 olenda, C. F. 5713
 ightly, M. G. 3274
 lin, P. I. 1913
 lubenko, Z. 2556
 lubev, P. D. 3253
 lubeva, E. G. 5733
 lubinski, E. P. 2620
 lysheva, M. A. 3204
 oman, M. 2225
 omes, A. 5346, 5346
 omes, A. de C. 74, 5601, 5603, 5988
 omes, A. F. 1140, 3927-3928
 omez, B. 3241
 omez, F. Martinez- 5459
 omez, L. 5435
 omez, M. P. 38
 Gomez, M. S. 5488
 Gomez-Bautista, M. 1853
 Gómez-Cova, C. 5592
 Gomez L., E. A. 5189
 Gomulski, L. 4498
 Goncharova, R. I. 1095, 2146
 Gondim, K. C. 1768, 5087
 Gong, H. 1798
 Gong, J. Z. 514
 Gong, Z. D. 529
 Gonzalez, C. A. 4287
 Gonzalez, C. I. 2936
 Gonzalez, J. 5485
 Gonzalez, J. P. 728, 2050, 5906
 González, R. H. 3414
 González, S. M. 2197
 González Galnares, M. 2572
 Gonzalez-Scarano, F. 5894
 Goochee, C. F. 3943
 Goodbrod, J. R. 1907, 4642
 Gooding, R. H. 198, 2375, 3640, 5214, 5217-5218
 Goodman, C. S. 452
 Goodman, J. J. 4502
 Goodman, W. G. 2156
 Goody, R. S. 2128
 Gopal, K. 1268, 2779
 Gopaul, A. R. 1837
 Gorbunova, T. N. 300
 Gorchakov, A. D. 1785
 Gorden, R. 797
 Gordon, C. J. 4997
 Gordon, D. 5039
 Gordon, D. J. 4832
 Gordon, J. C. 2606
 Gordon, R. D. 4257
 Gorgol', V. T. 5862
 Gorham, J. 1571
 Gorham, J. R. 3340
 Goriup, S. 2638, 4460, 4651
 Gorman, B. M. 4402, 4885
 Gorman, T. R. 3697
 Gornostaeva, R. M. 1702
 Gotceitas, V. 2855
 Gothe, A. Kraiss- 291, 4847
 Gothe, R. 291, 1146, 3794, 4327, 4790, 4847, 5837
 Goto, T. 2738
 Goto, Y. 1852
 Gotteron, R. Desproges- 653
 Götz, F. 1229, 4948
 Gotz, M. Zbikowska- 4133
 Gough, J. M. 669, 1531
 Gould, A. R. 5373
 Goulding, R. 3383
 Gourreau, J. M. 3905
 Gouteux, J. P. 1043, 1046-1047, 1051, 4205, 5220
 Gouvea, M. C. 3010
 Govere, J. 946
 Gower, D. E. 588
 Goy, G. 2162
 Grabda-Kazubska, B. 4872
 Gracheva, G. V. 1842
 Gradoni, L. 1854, 5193
 Graf, R. 1795, 1802
 Graft, D. F. 2456, 2658
 Grafton, W. D. 69
 Gram, M. 5455
 Gramiccia, M. 1854, 5193
 Granados, R. R. 2665
 Granath, W. O., Jr. 3615
 Granda, A. M. 4365
 Grandes, A. Encinas- 5825
 Graneek, B. J. 4832
 Granga, D. 2629
 Granger, N. A. 2156
 Granier, C. 3863
 Granitov, V. M. 300
 Granström, M. 5915
 Grant, D. F. 1797, 5613
 Grant, D. I. 3935
 Grant, W. E. 278
 Grant, W. S. 3
 Graser, K. 1923
 Grasso, A. 5341
 Gratton, K. A. F. 3355
 Grattan, C. E. H. 786
 Gratz, N. 149
 Graves, J. B. 3982
 Graves, P. M. 1004, 1811, 2228, 2230, 4156
 Graveson, S. 4834
 Gray, G. C. 4427
 Gray, L. E. 5424
 Gray, L. J. 1710
 Gray, M. R. 4852
 Gray, R. 1885
 Gray, R. L. 1163
 Grayson, M. A. 755, 1407
 Grayson, M. L. 3283
 Graziano, F. M. 253
 Graziano, J. V. 5608
 Greathead, D. J. 3051
 Grechka, E. O. 2453
 Greck, C. 4979
 Greco, J. 1578
 Green, C. A. 2316
 Green, C. H. 199, 568
 Green, D. W. J. 588, 3083
 Green, M. R. 2748
 Green, P. E. 3790
 Green, S. J. 438
 Green, W. 4352
 Green, W. F. 4354
 Greenberg, B. 3063
 Greene, B. M. 5207
 Greene, G. L. 4220
 Greene, R. T. 3256
 Greenslade, P. 3739
 Greenwood, B. M. 982, 991, 1382, 2972, 4456
 Greenwood, P. H. 2
 Gregg, M. B. 722
 Gregor, F. 5693
 Gregorio, E. G. 2927
 Gregory, P. G. 93
 Gregory, R. D. 2574
 Greif, J. 2171
 Greig, S. 4588
 Greiner, E. C. 726, 2344, 4596, 5184-5185
 Grenier, S. 3757
 Grešíková, M. 357, 754, 1634
 Gribel, R. 3188
 Grice, P. 4979
 Grieshaber, M. K. 883
 Griesshammer, B. 1109
 Grieve, A. S. 4215
 Grieve, R. B. 782
 Griffin, P. 4341
 Griffiths, W. L. 2760
 Griffiths, M. 4093-4101, 4521
 Griffiths, O. H. 3320
 Griffiths, W. A. D. 3702
 Grigarick, A. A. 2023
 Grigolo, A. 2182, 4139, 5479
 Grigor'eva, T. M. 2069, 3953
 Grigorova, R. T. 3951
 Grigoryev, V. B. 1010
 Grilli, S. 834, 2098
 Grilliat, J. P. 319
 Grillo, R. 2616
 Grimal, A. 1946
 Grimaldi, G., Jr. 4936
 Grimaud, G. 3561
 Grimont, P. A. D. 2696
 Grimstad, P. R. 729, 2283, 2958
 Grishin, E. V. 1177
 Gritsun, T. S. 2582
 Grizzanti, J. N. 4343
 Gröbe, I. 2810
 Groehlich, B. 5381
 Grogan, W. L., Jr. 5983
 Gromashevskii, V. L. 1010, 2052, 2594
 Grocock, C. M. 638
 Groot, A. de 3350
 Groot, H. de 372
 Groot, P. de 3975
 Gros, E. G. 1664, 2081
 Gross, S. J. 290, 582
 Grossbach, U. 1922
 Grossklaus, D. 869
 Grossniklaus, U. 4534
 Groulard, P. 1218
 Grove, D. I. 2058, 5846
 Grove, S. S. 2354
 Groves, M. G. 2609
 Gruber, B. L. 1641
 Grubs, R. E. 3654
 Grumstrup-Scott, J. 444
 Grunt, J. 4035
 Gruschwitz, W. 5517
 Gruss, B. 5744-5745
 Gruwell, J. 1186
 Gruys, E. 687, 2412
 Gruzdev, A. D. 2418
 Gryaznov, A. I. 3027
 Grycorcewicz, C. 3374
 Grzybkowska, M. 3084
 Grzywiński, L. 1467, 1588, 2382-2383, 4984
 Gu, J. C. 4194
 Gu, X. R. 2243, 2852
 Guan, D. H. 4197
 Guan, Y. 2512
 Guarisco, H. 2025
 GubaIdulin, N. A. 2710
 Gubler, D. J. 733, 5903
 Gückel, W. 817
 Guderian, R. 4941
 Gudgin, D. R. 2569
 Gueant, J. L. 319
 Guelina, A. 2629
 Guercio, V. 4415, 4438
 Guérin, B. 320, 3401
 Guerra, H. L. 1188
 Guerrero, A. 365, 468, 609, 4265
 Guerrier, G. 35
 Guerrin, R. 3905
 Guerro, T. A. 1763
 Guevara, G. 3697
 Guevara-Benitez, D. C. 5854
 Gueye-Ndiaye, A. 4362
 Guglielmo, A. A. 1200, 3177
 Guha, R. S. 5427
 Guhl, F. 2195
 Gühring, H. 1164
 Guichon, P. T. 4966
 Guidali, F. 3524
 Guidoboni, A. 1108
 Guilbert, X. 3638, 3902
 Guillian-Duran, J. C. 5491
 Guillet, P. 1038
 Guillon, J. C. 4174
 Guillot, F. S. 5338
 Guimaráes, A. M. 1957
 Guimaráes, M. D. C. 1188
 Guiscafré Gallardo, H. 2572
 Guizzard, F. 4750
 Gulati, A. 2779
 Gullick, G. 3593-3594
 Gulyaeva, S. E. 712
 Gummow, B. 4922
 Gun, R. T. 3374
 Gunasekaran, K. 5168
 Gunatilake, K. 1719
 Gunderina, L. I. 2422
 Gunderson, J. A. Strong- 4705
 Guneidy, A. 4190-4191
 Gunn, R. A. 3255
 Gunn, S. J. 1969, 3801, 5294
 Gunter T. D. 1577
 Guo, A. K. 3657
 Guo, Q. S. 4194
 Guo, S. Z. 5144
 Gupta, A. P. 915, 1739
 Gupta, D. K. 4179
 Gupta, G. S. D. 1268
 Gupta, N. K. 3870
 Gupta, R. K. 967, 1238, 2159, 2277, 2279, 2933, 2951, 5052, 5119
 Gupta, S. 395, 1653, 3119, 4952
 Gupta, S. C. D. 5346
 Gupta, S. K. 3813, 5824
 Guptavanij, P. 5551
 Gurevitz, M. 5885
 Guryčová, D. 293
 Gusbi, A. M. 1082
 Gusev, A. V. 2044
 Gushcha, G. I. 2005
 Gushchina, E. A. 1010
 Gustafson, R. 2479
 Guthathakurta, S. 5004
 Guthrie, M. 3425
 Gutierrez, G. A. 2933, 5119

- Gutierrez-Ocaña, M. T. 828, 5973
 Güttler, R. E. 5504
 Gutowicz, M. 3859
 Guttadauro, S. 4416
 Gutte, B. 829
 Gutzeit, H. 1663
 Gutzeit, H. O. 4529
 Guy, E. C. 661
 Guy, R. G. 5248
 Guzmán, G. 3892
 Guzmán, J. 8
 Guzmán, M. G. 3898, 4375
 Guzmán Tirado, M. G. 348
 Gwadz, R. 1798
 Gwadz, R. W. 2331, 2336, 5031, 5124
 Gwinn, T. A. 2303
 Gyrd-Hansen, N. 4054
 Haas, G. E. 5097
 Haass, C. 4743
 Habela, M. 5459
 Haberberger, R. L., Jr. 3254
 Habluetzel, A. 4454, 4461
 Habtemariam, T. 4446
 Hachlincová, R. 364
 Hacker, D. 2602
 Hadani, A. 3061, 4815, 5801-5802
 Hadaway, A. D. 971
 Hadel, K. P. 2575
 Hadisuwasono 4623
 Hadj-Idris, A. E. 5498
 Hadler, J. L. 3255
 Hadley, N. F. 5879
 Hadrill, D. J. 3824
 Hadziandoniou, M. 3296
 Hadžović, J. 3216
 Haenni, J. P. 5522
 Haessler, C. 2629
 Hafez, M. 1916
 Häfeli, W. 3832
 Hafez, S. F. 4430
 Hafez, S. K. Abdel- 182
 Hafez, S. M. 2013
 Hafner, M. S. 2897
 Hagan, C. E. 2349
 Hage-Hamsten, M. van 321
 Hagedorn, H. H. 4615
 Hägele, K. 1097
 Hagen, H. E. 184
 Hagenbuch, B. E. 1319, 1745, 3054
 Haggard, D. 3239
 Hagrás, A. E. 1564
 Hahn, H. 1335, 2717
 Hahn, N. E. 1023, 2495
 Haida, M. 4337, 4345, 4350
 Haider, M. Z. 3946
 Haider, S. 2764
 Haile, D. G. 1972, 5299-5300
 Haines, C. P. 3102
 Hair, J. A. 2495, 3791-3792, 3821
 Hairston, N. G., Jr. 3719
 Haitlinger, R. 673, 678-681, 696-697, 1523-1524, 1590, 1993-1996, 2003, 2188, 2467, 2547, 5316
 Hakk, H. 3347
 Hakkak, Z. S. Al- 4991
 Halarnkar, P. P. 5457, 5950
 Halberg, F. 572
 Hale, J. R. 4065
 Hales, D. F. 3681
 Halevy, S. 928
 Halffter, G. 3724
 Halgoš, J. 5661
 Haliday, A. H. 4746
 Halidi, M. A. 5605
 Halkier-Sørensen, L. 3914
 Hall, A. V. 2170
 Hall, D. E. 797
 Hall, D. W. 1014, 2285
 Hall, H. G. 3766
 Hall, J. C. 333
 Hall, L. M. 3984
 Hall, M. H. 3577
 Hall, M. J. R. 1873, 3068
 Hall, R. A. 4402
 Hall, R. D. 1456, 4221, 4696
 Hallas, T. E. 502, 2008
 Halldorsdottir, S. 3623
 Halley, B. A. 5018, 5436-5437
 Hallford, D. M. 2099
 Halliday, R. B. 2497, 3424
 Halliwell, R. E. W. 500
 Hallmon, C. F. 2786, 5947
 Halna, J. M. 2215, 4156
 Halouzka, J. 354, 714, 2499, 4302
 Halperin, J. J. 4893
 Halpern, M. E. 459
 Halsema, L. van 1270-1271
 Halstead, S. B. 134, 4388, 4883
 Halvorsen, O. 2411
 Ham, P. J. 1860, 3632
 Hamada, M. 5957
 Hamblin, C. 1185
 Hamdan, A. 3241
 Hamdorf, K. 224, 4730
 Hamel, H. D. 2507, 5842
 Hamilton, A. J. 2232
 Hamilton, J. G. C. 3803
 Hamilton, R. L. 919, 4562-4563
 Hamilton, W. D. 4551, 4573
 Hamlet, N. 663, 1031
 Hamm, W. J. 4177
 Hammack, L. 3690
 Hammen, L. van der 863, 3411
 Hammock, B. D. 5950
 Hammond, P. M. 4766
 Hamodrakas, S. J. 3718
 Hamsten, M. van Hage- 321
 Hamza, P. A. 5371
 Hamza, S. M. 3699
 Han, S. H. 4167
 Han, S. S. 915, 1739
 Hanack, M. 4503-4505
 Hanafi, H. A. 1398
 Hanaoka, K. 312
 Hanazato, T. 4059
 Hancox, M. 467
 Hande, R. S. 4509
 Handel, E. van. 97
 Handel, E. van 948-949, 2253, 5539
 Hanes, E. C. 5462
 Hanesch, U. 3079
 Hanke, W. 2135
 Hankeln, T. 237, 1092
 Hannoun, C. 2050
 Hansen, B. L. 31
 Hansen, G. M. 4426
 Hansen, G. N. 31
 Hansen, H. 4858
 Hansen, J. D. 12
 Hansen, J. W. 202, 893, 1023, 2495
 Hansen, K. 3914
 Hanson, B. 3271
 Happ, C. M. 2250, 5095
 Hara, T. 5229
 Harada, H. 5005
 Harada, H. A. 4250
 Harada, M. 1089
 Harada, T. 5093
 Haralabidis, S. T. 3885
 Haramis, L. 5528
 Haramis, L. D. 5115
 Harano, D. 3942
 Harbach, R. E. 88, 5577, 5579, 5581
 Harbers, F. 3786
 Hard, J. J. 1392
 Hardie, R. 1875
 Hardie, R. C. 3402, 3647
 Harding, A. G. 4198
 Harding, D. J. L. 2833
 Hardman, K. R. 2787
 Hardy, A. R. 3385
 Hardy, J. K. 4968
 Hardy, J. L. 530, 3559, 3889, 4377, 5127, 5139
 Hardy, T. D. 5465
 Hardy, T. N. 2452
 Hare, J. F. 4777
 Hare, S. G. 2282
 Haresnape, J. M. 647
 Harisah, M. 4579
 Hariyama, T. 3092
 Harlan, H. J. 3163, 5289
 Harland, R. J. 3904
 Harman, R. R. M. 4358
 Harmon, C. W. 2724
 Harmon, J. D. 2876
 Harnett, G. B. 4881
 Haro Arteaga, I. de 1763, 2194
 Harpaz, I. 2669
 Harrelson, A. L. 452
 Harries, A. D. 517, 3297
 Harris, A. C. 2891
 Harris, J. 167, 532
 Harris, M. P. G. 377
 Harris, R. 1212
 Harris, S. T. 3199
 Harrison, B. A. 4182, 5171
 Harrison, M. 584
 Harrison, T. J. 5047
 Harrod, V. 3551
 Harrow, I. D. 3355
 Hart, B. J. 2524, 3401
 Hart, D. T. 2524, 3413
 Hart, T. B. 3387
 Hart, W. G. 2249
 Hartani, D. 4910
 Hartenstein, V. 4745
 Hartig, P. C. 2670
 Hartley, D. 860
 Hartley, J. C. 2569
 Hartman, G. D. 1394
 Hartman, L. J. 4851
 Hartwig, E. K. 549
 Harum, S. 1361
 Harvey, B. C. 421
 Harvey, M. S. 5319
 Harvey, R. G. 4599, 4831
 Hasan, Q. 5430
 Hase, T. 4165, 4405
 Hasegawa, T. 1039, 5232, 5638, 5716
 Hashem, M. 3494
 Hashemzadeh-Gargari, H. 1058
 Hashiguchi, Y. 5189
 Hashimoto, G. 3990
 Hashimoto, N. 3571
 Hashimoto, Y. 1666, 2555
 Hashizume, B. 3998
 Haskell, N. H. 1717-1718
 Haskins, C. P. 4775
 Haskins, E. F. 4775
 Haslett, T. M. 2476
 Hassadeh 5784
 Hassan, A. A. 4025
 Hassan, F. A. M. 3395
 Hassan, M. F. 4310-4311
 Hassan, S. A. 4161-4162
 Hassanali, A. 2373, 3154
 Hassell, M. P. 2857
 Hasselschwert, D. 5147
 Hasson, C. 3455
 Hassón-Voloch, A. 130
 Hasspieler, B. M. 941
 Hatakeyama, S. 825, 1094
 Hatano, Y. 3660
 Hatch, G. G. 2670
 Hati, A. K. 3025, 5058
 Hatsushika, R. 925, 5809
 Hauck, P. R. 4340
 Haug, A. 886
 Haupt, A. Heller- 1139, 1537
 Haupt, W. 3833
 Hauptmann, H. 24, 1320
 Hauschild, S. 3187
 Hauser, B. 1714
 Hautala, J. 1469
 Havelec, L. 2533
 Havelka, P. 4792
 Havenaar, R. 1154-1155
 Havrileck, B. 5308
 Hawkes, R. A. 1630, 3245, 5911, 5913
 Hawkeswood, T. 859
 Hawkins, G. S. 1261
 Hawkins, R. 1678, 4832
 Hawksworth, D. L. 2116
 Hawley, D. A. 1717-1718
 Hawley, W. A. 1824
 Haworth, J. 1220, 4650
 Hay, J. 1333
 Hay, R. J. 4941
 Haya, K. 423
 Hayakawa, H. 1039-1040, 1042, 5213, 5263-5264, 5638, 5669-5670, 5686
 Hayakawa, Y. 1723
 Hayase, Y. 3991
 Hayashi, F. 4783
 Hayashi, H. 5412-5413
 Hayashi, K. 2608
 Hayashi, T. 1088, 5262, 5763
 Hayashi, Y. 3991
 Haycock, P. 2471
 Hayes, C. G. 758
 Hayes, D. K. 572, 4012
 Hayes, D. O. 3552
 Hayes, E. P. 4381
 Hayes, T. K. 2176, 3458
 Haynes, G. J. 421
 Hayward, A. D. 5254
 Hazard, E. I. 1027, 2706
 Hazarika, S. 542, 4683
 Hazeltine, W. E. 127, 434
 Hazelton, S. R. 279-280
 Hazzari, M. M. 3822
 He, G. M. 144-145, 1410, 3555, 3574
 He, L. 26, 60-61
 He, W. J. 2523
 He, Z. J. 4192
 Head, S. L. 5432, 5439-5440
 Heal, J. R. 1492
 Healy, G. 4458
 Healy, T. P. 165-166
 Heath, A. C. G. 2492, 3071, 3533, 4079, 4848
 Heath, B. R. 1451
 Heath, J. 2765
 Heath, M. A. 4489
 Heath, S. E. 3904
 Heaume, G. J. du 862
 Heavey, D. 4475
 Hebrard, G. 1037
 Heckel, D. G. 1659
 Heckels, J. E. 661
 Hecker, H. 1008, 5090
 Heckmann, R. A. 3228
 Heddens-Mysinger, R. 2770
 Heddle, R. 3119
 Hedges, S. 4224
 Hedges, S. A. 2173, 4854
 Hedtmann, U. 1254
 Heekin, J. P. 1829
 Heesch, W. 3393
 Hegedus, D. D. 3958
 Heggstad, E. 2074
 Hehlhans, T. 829
 Heilgans, R. M. van der 1789
 Heider, K. 4572
 Heinig, J. H. 2454
 Heinrich, B. 3479
 Heinz, F. X. 4378
 Heinzeller, T. 1498
 Heisenberg, M. 3079
 Heisey, R. M. 3342
 Heitz, J. R. 5034
 Hejjaoui, A. 320, 326
 Hekimi, S. 2133
 Helal, E. 3494
 Helal, H. 1854
 Held, G. A. 141, 2691, 5936
 Held, J. L. 923
 Held, W. 2447
 Hellenthal, R. A. 1326, 2900-2902, 3532
 Heller-Haupt, A. 642, 1139, 1537
 Helling, F. 5241
 Hellman, U. 2603
 Hellmiss, R. 387
 Helm, R. M. 4132
 Helmy, I. 2619
 Helper, L. C. 1487
 Helson, B. 3975
 Helson, B. V. 798
 Helyncck, B. 2050
 Hemingway, J. 167, 532, 1379, 2340, 2973, 3023, 3031, 5593

- achal, E. 5360
 achal, E. A. 4885, 5360
 achal, L. S. 4885
 ader, E. 3219
 adrix, C. M. 2770
 adry, G. 5443
 ady, C. H. 476
 ana, M. 2470
 aner, D. J. 387
 anig, W. 3418
 anigan, B. 5721
 aning, D. 2676
 aning, U. 224
 ary, A. 4526
 ary, D. 510, 1937
 ary, M. 5605
 ary, M. S. 2787
 ary, W. 5657
 ason, W. H., Jr. 4971
 astridge, R. M. 4882
 atschel, E. 5072
 ath, J. F. 831
 ath, P. R. J. 167, 1850,
 945, 5170
 big, S. M. 4008
 bison, G. P. 3307
 ck, H. van 1154-1155
 cuies, D. M. 4074
 degen, J. W. 4500
 eward, C. 897
 ermann, B. W. 2805
 ermann, H. R. 4762
 ermitte, P. 3905
 ernandez, C. A. 5199
 ernández, C. R. 5609
 ernández, D. E. 820
 ernández, F. 4070
 ernández, O. M. 2572
 ernandez-Rodriguez, S. 2468
 on, I. D. 650, 812
 r, S. 4922
 r, U. 2435
 rera, A. 4014
 rera, J. R. B. de 1741
 rera, M. A. de 3580
 rera, S. 3580
 rero, M. V. 5303, 5343
 rero-Acosta, M. V. 3800
 rriot, R. 620
 rriestad, C. 2684
 tel, W. 2364
 tz, M. R. 4501
 rzer, P. 2056, 2611
 us, W. R. 724-725, 1540,
 476, 2486, 3820
 use, R. Rico- 4397
 ster, P. G. 2786, 5947
 land, T. 4355
 rick, W. 2728
 zel, D. J. S. 2514
 usser, C. 2447
 witt, C. J. 3307
 witt, P. H. 5611
 yne, H. 5840
 yse, D. 5589
 ywood, P. F. 2228
 kman-Brenner, F. W. 2696
 ks, J. L. 4739
 ks, M. M. 4093-4100,
 100-4101, 4521
 algo, H. 4677
 algo, R. J. 1991-1992
 o, O. 4219
 pe, T. 1157, 1170, 1183,
 335, 1606, 2387, 2717,
 841, 5984
 gins, J. A. 177, 1016
 gs, S. 894
 hfill, J. W. 4997
 J. L. K. 4186, 5175
 dra, R. D. W. 3731
 bert, D. W. 4535-4536
 burn, L. R. 1969, 3801,
 294
 d, D. N. 4970
 ebrand, J. G. 3463
 , A. C. 818-819
 , B. 3252
 , B. R. 94
 , E. F. 5969
 , R. H., Jr. 5432
 Hill, R. L. 867, 3056
 Hillerton, J. E. 201, 204, 3663
 Hilsenhoff, W. L. 77
 Hilton, D. F. J. 281
 Hilton, N. J. 3351
 Himeno, M. 2679
 Himonas, C. A. 920, 1183
 Hincley, D. J. 3458
 Hindley, J. 5942
 Hinkle, N. C. 1059, 4697
 Hinojos, J. G. 484
 Hioki, A. 5325
 Hipeau-Jacquotte, R. 4866
 Hirai, H. 1439, 1482, 3633
 Hirai, S. 2395
 Hirano, M. 2756, 3528
 Hirashima, A. 5221, 5955
 Hiriyani, J. 1003, 5580, 5583
 Hirjan, J. Vesenjaki- 4379-
 4380
 Hirst, D. 3219
 Hirst, D. J. 809
 Hirst, M. 377
 Hirst, M. L. 606
 Hiruma, K. 456
 Hites, R. A. 2807
 Ho, B. C. 2959, 2970, 5575
 Ho, G. M. 3573
 Ho, J. S. 337
 Ho-Yen, D. O. 663
 Hoang, A. N. 1177
 Hobbs, H. H., Jr. 2040
 Hobbs, S. E. 4125
 Hobert, K. 1254
 Hoc, T. Q. 4189
 Hoch, A. L. 4668
 Hochberg, M. E. 3312
 Hochstrate, P. 1079, 5243
 Hocking, B. 2291
 Hodder, S. 4926
 Hodgson, E. 3652, 4038, 4045,
 4120
 Hodgkinson, B. J. 4905
 Hoebeke, E. R. 4263
 Hoeve, J. 3185
 Hoffman, D. 1906
 Hoffman, D. R. 4279-4281
 Hoffman, J. 5235
 Hoffman, R. 1205
 Hoffmann, C. C. 5986
 Hoffmann, D. 3476, 5235,
 5237
 Hoffmann, G. 1669, 5861
 Hoffmann, J. A. 1906
 Hoffmann, L. 2717
 Hofmann, P. 5055
 Hofstein, R. 1650
 Hoft, D. F. 3285
 Höfte, H. 3323
 Hogan, D. Bedell- 4537
 Hogans, W. E. 1179, 3878
 Hogsette, J. A. 4220, 5706
 Hoke, C. 5360
 Hoke, C. H. 3887, 5360
 Holbrook, F. R. 178, 756,
 1429, 2348, 5180
 Holck, A. R. 2269, 2938
 Holck, S. N. 4734
 Holcomb, M. 1173
 Holdaway, M. D. 3307
 Holden, C. 1288
 Holden-Dye, L. 4539
 Holder, Y. 5872
 Holland, C. J. 2630, 5383
 Holland, G. P. 5097
 Hollanders, W. 4360, 5337
 Hollett, B. 3925
 Holling, C. S. 877, 980
 Hollingdale, M. R. 512, 1423,
 2227, 3552
 Hollingworth, R. M. 4045
 Hollis, D. G. 2610
 Holloway, S. J. 1281
 Holman, G. M. 3458
 Holmberg, O. 208
 Holmes, M. 5183
 Holmes, S. B. 2077
 Holomuzki, J. R. 257
 Holt, P. G. 4328
 Holt, R. H. F. 2168, 2895
 Holt, V. M. 439
 Holtmann, W. 3700
 Holtzer, T. O. 3482
 Holtzman, E. 4742
 Holub, R. E. 2298
 Holzmann, H. 2115
 Homberg, U. 3463
 Hornsher, P. J. 1563
 Honegger, H. W. 884
 Hong, C. S. 5329, 5864
 Hong, Y. X. 2243
 Hongtrakul, T. 3747
 Honnappa, T. G. 3711
 Hoof, J. P. M. van 989, 2274
 Hoogen, F. H. J. van den 768
 Hooghof, J. B. A. 3857
 Hoogstraal, H. 732, 1561,
 2619, 5297, 5812
 Hooker, E. 3239
 Hooper, P. T. 5373
 Hooper, R. L. 2277, 2279
 Hopkin, S. P. 3420
 Hopkins, P. S. 1307
 Hopkins, T. L. 1455, 4568
 Hopla, C. E. 5293
 Hoppe, K. L. 5211
 Hoppe-Dominik, B. 3786
 Hopper, M. L. 2800
 Horak, I. G. 666, 1083, 5797,
 5832, 5844, 5848
 Hordle, D. A. 3208
 Horesch, Z. 5552
 Hori, E. 986, 5081
 Hori, H. 710
 Hori, K. 3660, 3691, 4235
 Hori, T. 5725
 Horide, F. 4005, 4063
 Horimoto, M. 2578
 Horio, M. 5569-5570
 Horn, B. W. 3962
 Horn, D. H. S. 461
 Horney, B. S. 4309
 Hornstein, O. P. 5055
 Hornychová, D. 5515
 Horsnell, J. M. 4484
 Horvat, R. 1253
 Horváth, G. 4541, 4589
 Hosen, H. 3202
 Hoskins, J. D. 1637, 2505
 Hospedales, J. 5872
 Hossain, M. I. 990, 1827,
 1829, 4156
 Hotchkiss, P. G. 137
 Hoti, S. L. 540, 3331
 Houba, V. 5460
 Houde, M. 2399
 Houk, E. J. 3559
 Houp, D. R. 1658
 Housley, R. 5339
 Houston Cohen, W. 3246
 Houx, N. W. H. 2798
 Howard, J. J. 1407, 1830,
 5094
 Howard, M. 2089
 Howard, R. D. 4551
 Howden, H. F. 596, 3729
 Howells, A. J. 4724
 Howes, E. A. 22-23, 3515,
 4567
 Hoy, M. A. 4986
 Hoyet, C. 3205, 4353
 Hoyon, N. del 4039
 Hoyt, P. G. 1044
 Hrelia, P. 833
 Hsu, E. L. 5476
 Hsu, W. H. 2768, 5007
 Htay Aung 536
 Hu, C. R. 4655
 Hu, D. G. 3852
 Hu, H. 3349
 Hu, S. F. 4356
 Hu, S. L. 787
 Hu, Y. F. 5144
 Hu, Y. X. 1806
 Huang, B. G. 3321
 Huang, J. 3342
 Huang, J. L. 1410, 3555, 3573
 Huang, Q. 4655
 Huang, S. Y. 230
 Huang, Y. M. 1360, 2937
 Huang, Y. S. 141, 2691
 Huang, Y. Z. 4448
 Huang, Z. S. 2220
 Huayda, M. A. 4427
 Hubálek, Z. 354, 358, 714,
 2499, 4302
 Hubbard, J. L. 102, 1544
 Hubbard, S. F. 981
 Huber, A. 765
 Huber, H. O. 5877
 Huber, J. 3940
 Huddleston, D. 3907
 Hudec, K. 714
 Hudiburg, S. A. 5342
 Hudina, V. 486, 672, 921,
 5409
 Hudson, J. E. 72
 Hudson, K. M. 4689
 Hudson, L. 4588
 Hudson, P. Barker- 5135
 Hudson, P. J. 4549
 Hudson, R. J. 5298
 Hue, B. 1322, 2032, 3505
 Huebner, E. 4583
 Hueli, L. E. 4788, 5822, 5826
 Huerta, S. F. 2572
 Huger, A. M. 4111
 Hugh-Jones, M. 2862
 Hugh-Jones, M. E. 3924, 3989
 Hughes, C. R. 621
 Hughes, P. B. 1068, 3695
 Hughson, G. W. 843
 Hugon, J. 653
 Hui, L. T. 107
 Huizinga, H. W. 3615
 Hull, B. 5113
 Hull, H. F. 930, 1205
 Hulley, P. E. 601
 Hulsman, K. 2259
 Hulton, S. A. 5930
 Humair, L. 5927
 Humbert, G. 4422
 Humphery-Smith, I. 664,
 3929, 4122, 5847
 Humphrey, H. E. B. 5025
 Humphrey, M. 1212
 Humphreys, A. M. 1235
 Humphreys, C. R. 4882
 Humphreys, J. G. 132, 4627
 Hung, M. W. 4351
 Hunt, A. R. 3890
 Hunt, G. J. 2347
 Hunt, R. H. 2334
 Hunter, E. J. 854
 Hunter, J. S., III 4255, 4697
 Husain, T. 3433
 Husband, R. W. 3189
 Hussain, A. S. 1264
 Hussain, M. 5022
 Hussein, H. S. 3613
 Hussein, K. A. Al- 374
 Hussein, M. M. El- 4147,
 4160
 Husson, H. P. 4773
 Huston, J. E. 5295
 Hutcherson, H. J. 1581
 Hutchings, A. 4977
 Hutson, D. H. 2771
 Hutton, J. M. 5442
 Huxham, I. M. 794, 2071
 Huybrechts, R. 4716, 5066
 Hwang, B. 685, 4351
 Hyams, K. C. 5111
 Hyatt, A. D. 5373
 Hyde, N. H. 3976
 Hyman, W. B. 5744
 Hyslop, E. J. 2968
 Iacopino, F. 4116
 Ibishev, G. I. 583
 Ibragimov, Sh. R. 2561
 Ibrahim, A. M. 584
 Ibrahim, M. S. 523
 Ibrahim, S. A. M. 894
 Ibuchi, Y. 390
 Ichihara, M. Y. T. 5192
 Ichikawa, N. 58
 Ichimaru, M. 1666
 Ichimori, K. 520, 976, 984,
 4156, 5151, 5157
 Ichimoto, I. 2335
 Ideris, A. 4579
 Idler, K. F. 2683
 Iffat Ara 2732, 4974

- Igarashi, A. 710
 Igarashi, I. 778
 Igarashi, T. 2423
 Igarashi, Y. 4571
 Igbiosa, I. B. 2332
 Ignatovich, I. I. 3244
 Ignatovich, V. F. 2621, 5918
 Ignatowicz, S. 2525
 Ignoffo, C. M. 2668
 Ihenacho, E. N. 952
 Ihrke, P. J. 4944
 Iida, H. 1518
 Iide, P. 5681
 Iijima, T. 1646, 3926
 Iikura, Y. 2528
 Iimori, T. 1665
 Ikemoto, T. 2932
 Ikemoto, Y. 4013
 Ikeshoji, T. 4498
 Ilchmann, G. 5747
 Ilić, Z. 486, 672, 921
 Ilijev, A. 3339
 Ilkal, M. A. 2944, 2984, 5146
 Illésóvá, D. 1438
 Illgen, B. 4572
 Ilomechina, E. N. 5372
 Im, D. J. 795
 Imai, S. 1017
 Imanaka, T. 2695
 Imanari, M. 3521
 Imevbore, A. M. A. 3335
 Imperato, P. J. 3172
 Inaba, T. 1458
 Inaba, Y. 2343
 Inagaki, F. 5725
 Inamine, E. S. 813
 Inaoka, T. 1040, 5670-5671
 Inbaraj, R. M. 2764
 Incorvaia, C. 1108
 Indian Journal of Malariology 1299
 Indira, K. 2763
 Indovina, A. 2614
 Inês Costa Dourado, M. 5192
 Inganäs, M. 1942
 Ingemann, L. 4834
 Ingle, S. G. 2249
 Ingram, B. 501
 Ingram, G. A. 2894
 Injairo, R. 1990
 Inlao, I. 3165
 Inlow, D. 3942
 Inman, A. 2267, 2273, 2307, 3607
 Innis, B. L. 3887
 Innis, G. S. 3482
 Innokentjeva, T. I. 2620
 Ino, Y. 4337-4338
 Inomata, O. N. K. 842
 Inoue, S. S. 3990
 Inouye, K. 390
 Inouye, S. 4335
 International Laboratory for Research on Animal Diseases 1700-1701
 International Livestock Centre for Africa 1449
 International Programme on Chemical Safety 3416-3417, 4524
 International Union of Immunological Societies 783
 Intonazzo, V. 2060, 2484, 2615
 Intravartolo, C. 5914
 Introna, F., Jr. 1076, 5735
 Inumaru, S. 2600
 Iori, A. 5520-5521
 Iqbal, J. 3290
 Iqbal, M. 75
 Irare, S. G. M. 4461
 Irby, W. S. 1368
 Irie, T. 4335
 Irshad, M. 762
 Irungu, L. W. 932
 Irvin, A. D. 1956, 2645, 3793, 5313
 Irving, S. N. 2385, 3655
 Irwin-Pinkley, L. 1563
 Isaac, R. E. 483, 1729
 Isaacs, M. 4394-4395, 4452
 Isaenko, A. A. 3556
 Ishaaya, I. 5221, 5955
 Ishay, J. S. 1114, 4764
 Ishchanova, Z. A. 1781
 Ishibashi, F. 3999-4000
 Ishida, S. 3992
 Ishiguro, T. 3991
 Ishii, A. 1089, 4338
 Ishii, N. 1642
 Ishii, T. 83, 1017, 1384
 Ishikawa, E. A. Y. 3284
 Ishikawa, H. 4544
 Ishinohe, F. 2931
 Ishizaka, K. 3308
 Iskandarov, A. I. 5964
 Ismail, A. 2106
 Ismail, R. Ben 3016, 3289
 Isobe K. 1234
 Issani, G. B. 4836
 Issel, C. J. 1016, 1044, 1443, 1632
 Issi, I. V. 3325-3326
 Itagaki, H. 3545, 3549, 4031
 Itano, K. 1089
 Itard, J. 857
 Ito, A. 5325
 Ito, I. 2506
 Ito, K. 4338, 5259
 Ito, M. 4350
 Ito, T. 312, 2343
 Ito, Y. 272
 Itoh, K. 2480
 Itoh, T. 954, 5567
 Itoua, A. 5210, 5642
 Ivanishchuk, P. P. 563
 Ivanov, A. N. 4710
 Ivashkin, S. A. 1686
 Ivashkin, V. M. 1053
 Ivchenko, A. E. 1675
 Iversson, L. B. 749, 5910
 Ives, W. A. 5135
 Iwaki, M. 1375, 4337
 Iwakuma, T. 826
 Iwanami, S. 3316
 Iwane, K. 5638
 Iwasa, M. 3691, 4235, 5325, 5762
 Iwasaki, K. 1266
 Iwashita, Y. 792
 Iwata, M. 3308
 Izawa, N. 3529
 Izquierdo, M. 2145, 2850
 Izyumova, N. A. 5352
 Jabbar Khan, R. 2424
 Jabbr, L. 5222
 Jabeen, N. 1336
 Jackson, B. D. 624, 3131
 Jackson, H. 4853
 Jackson, H. C. 289
 Jackson, J. K. 3486
 Jackson, L. A. 1133
 Jackson, R. J. 1690
 Jackson-Yapp, J. 5942
 Jacob, J. S. 3881
 Jacob, P. G. 2944, 2984, 5355
 Jacob, T. A. 5436
 Jacobs, R. F. 1148
 Jacobs, S. C. 4396
 Jacobs, W. 2825
 Jacobsen, N. 4989
 Jacobson, J. L. 5025
 Jacobson, M. 3365, 3421
 Jacobson, R. L. 2356, 3001, 3296
 Jacobson, R. S. 4279-4280
 Jacobson, S. W. 5025
 Jacoby, R. O. 1640, 4426
 Jacquemin, M. G. 2529
 Jacquotte, R. Hipeau- 4866
 Jadżyn, B. 488
 Jaenson, T. G. T. 4188
 Jagannath, M. S. 3711
 Jager, C. de 666, 1551
 Jaggi, D. 129
 Jagtap, N. R. 2097
 Jahagirdar, A. P. 1723, 1734
 Jai, J. X. 1432
 Jain, M. 407
 Jain, S. K. 5013
 Jairajpuri, D. S. 3329
 Jakob, W. L. 1357, 2250, 2297
 Jakubovský, J. 4035
 Jalal, S. M. 831
 Jambulingam, P. 5168
 James, A. M. 4801
 James, F. 5113
 James, F. K., Jr. 4771
 James, J. C. 4501
 James, P. J. 4580
 Jamieson, P. 3315
 Jamnback, H. 449
 Janaiah, C. 496
 Janecek, C. 3988
 Janes, N. F. 821, 2082-2084, 2739-2740, 2745-2747
 Jang, H. 5309
 Jankevicius, J. V. 3434
 Janneh, M. S. 1382
 Janousek, T. E. 3581
 Janowsky, U. 1286
 Janse, J. D. 3956
 Jansen, H. M. 372
 Jansens, S. 3323
 Jansma, W. B. 275
 Janssens, P. G. 3441
 Jansson, A. 5083
 Jansson, B. 2796
 Janusz, J. 2047
 Janz, G. J. 5158
 Janz, J. G. 3186
 Jaramillo-Juárez, F. 5001
 Jardina, B. J. 5544
 Jarial, M. S. 241
 Jarisch, R. 3121
 Jarjes, S. J. 3745
 Jarosz, J. 1707
 Jarov, A. 5607
 Jarrett, R. G. 3685
 Järvillehto, M. 1478, 3674
 Jasys, V. J. 1613-1614
 Javadian, E. 1410
 Jawad, A. L. M. 5563
 Jaworski, D. C. 1529, 2501
 Jayachandran, C. 3802
 Jayanetti, S. R. 2328
 Jayaraman, J. 1284
 Jayaraman, K. 382
 Jayasekera, N. 5570
 Jayasree, M. 3578
 Jayawardena, K. G. I. 167
 Jean, Y. H. 4052
 Jean-Pastor, M. J. 1165
 Jeanne, R. L. 2451
 Jeannin, P. 4215
 Jedlička, L. 5661
 Jeffers, J. 2518
 Jeffery, J. 3072
 Jefford, C. W. 129
 Jeffries, W. B. 4861
 Jégou, S. 5066
 Jelley, S. A. 2687
 Jencen, D. A. 4968
 Jenner, D. W. 4988
 Jenni, L. 4688
 Jennings, M. 4670
 Jensen, C. 2926
 Jensen, K. M. Vagn- 213
 Jensen, L. A. 3228
 Jepson, P. C. 165-166
 Jeromel, P. C. 582
 Jerrells, T. R. 3269
 Jerse, A. E. 2928
 Jespersen, J. B. 207, 213
 Jespersen, J. B. 1358
 Jessup, D. A. 3889, 4669
 Jesús, J. J. de 4064
 Jeu, M. H. 5480, 5805
 Jewell, D. J. 110
 Jewsbury, J. M. 3335
 Ježek, J. 2213, 2415
 Ji, S. L. 1347
 Jiang, F. M. 5480
 Jiang, P. 2852
 Jiang, S. Z. 5901
 Jiang, T. J. 5268
 Jiang, Z. K. 1671
 Jianying, G. 850
 Jim, G. K. 4966
 Jiménez, J. I. Arredondo- 5543
 Jimenez, J. M. Perez- 3066
 Jimenez, M. L. 699
 Jiménez, S. 3789
 Jiménez, T. 4814
 Jimenez-Acosta, F. 3196
 Jin, Z. H. 5268
 Jinhe, S. 850
 Jinna, R. R. 2096
 Jirón, L. F. 240
 Joachim, D. G. 3185
 Jogdand, S. B. 5328
 Johannes Marinkelle, C. 219
 Johansen, J. 459
 Johansen, K. M. 459
 Johansson, S. G. O. 321, 4282
 John, L. 3788
 John, V. M. 542
 Johnson, A. A. 4427
 Johnson, B. J. B. 5095
 Johnson, B. K. 1626
 Johnson, B. W. 1487
 Johnson, C. 3139
 Johnson, D. A. 4832
 Johnson, D. C. 3391
 Johnson, D. E. 2680
 Johnson, D. M. 821, 2082-2084, 2745-2747
 Johnson, E. D. 5906
 Johnson, E. K. 4223
 Johnson, E. S. 2310
 Johnson, J. 4134, 4474, 4557
 Johnson, L. S. 4228
 Johnson, N. F. 3112
 Johnson, P. J. 2630
 Johnson, P. W. 4326
 Johnson, R. 1205
 Johnson, R. C. 1966, 2478, 4891, 4904
 Johnson, R. K. 4747
 Johnson, R. N. 399
 Johnson, S. 2055
 Johnson, S. S. 2200
 Johnson, W. M. 4223
 Johnston, A. M. 843
 Johnston, G. 5972
 Johnston, L. 1480
 Johnston, L. A. Y. 3671
 Johnston, N. P. 5699
 Johnston, S. A. 5317
 Johnstone, D. R. 3043
 Joia, B. S. 4083
 Jolicœur, P. 4037
 Joly, D. 57
 Jones, A. B. 4979
 Jones, A. D. 843
 Jones, C. G. 3782
 Jones, C. J. 3054
 Jones, E. W. 1991-1992
 Jones, G. S. 3214
 Jones, I. G. 3844
 Jones, J. 4474
 Jones, J. E. 1213
 Jones, J. W. 2307, 4626
 Jones, L. D. 1130, 3811, 4396
 Jones, P. S. 3345
 Jones, R. D. 2789
 Jones, R. G. 1118
 Jones, R. H. 5180
 Jones, T. A. 2179
 Jones, T. H. 1516
 Jones, T. L. 1287
 Jones, T. W. 3824
 Jones-Walters, L. M. 3221
 Jong, G. de 4105
 Jonge, J. T. de 317
 Jongejan, F. 1979
 Jonsson, P. 208, 1098
 Joos, H. 1231
 Joost, W. 1721
 Joplin, K. H. 4719
 Jorachsky, P. 5055
 Jordão, B. P. 1882, 4708
 Jørgensen, J. 3914
 Jørgensen, J. H. 2696
 Jørgensen, N. M. 671
 Jørgensen, O. G. 667
 Jørgensen, W. K. 3151
 Jörnvall, H. 1176
 Jortner, B. S. 4046
 Joseph, K. 3474

- eph, M. 2445, 3768, 4276-4277
 eph, S. A. 5749
 ehi, G. P. 2945
 ehi, H. 76
 ehi, V. S. 2731
 ehi, Y. K. 762
 urnal of the American Veterinary Medical Association 8908
 uvenaz, D. P. 4758
 vanovich, L. V. 425
 v, A. D. 4359
 an, M. 547, 1186
 árez, E. L. 1025
 árez, L. M. 419
 owics, P. 4837
 e Sue, L. P. 3698
 hász-Sasvári, K. 2380
 iano, S. A. 4602
 lien, J. L. 4619
 lvez, J. 2989, 5605
 eja, S. C. 2508
 ngmann, R. 5984
 nqueira, V. B. C. 1270-1271, 4026
 pp, P. G. 497, 506, 730, 966, 5577
 ra, W. G. Z. O. 1446, 3643
 rberg, P. 2164
 renka, R. A. 917, 2875, 3452, 5474
 ríková, Z. 354-355, 358, 714
 rs, P. C. 1256, 1937
 se, A. 4730
 ste, R. A. 3789
 tsum, A. R. 414
 vik, J. A. 1251
 aya, G. P. 197, 1446, 5219
 bata, Z. 2560
 bayo, J. P. 1864, 1883
 beya, N. M. 200
 bilov, T. K. 2649
 bore, I. 1871
 chalova, N. A. 1841
 chvoryan, É. A. 1858
 czmarek, S. 1351, 2207, 2705
 czorowski, G. J. 5886
 ddu, J. B. 1445, 3279
 dir, H. A. 479
 dnikov, V. V. 2248
 dono-Okuda, K. 823
 dyrova, M. G. 5964
 ewsonthi, S. 4198
 fatos, F. C. 233
 gamimori, S. 2423
 gan, Yu. S. 1676
 gen, S. L. 4782
 ger, P. A. 2587, 4443
 gey-Sobotka, A. 4942
 han, A. 4420
 hl, L. P. 2637
 iga, M. 5232
 im, G. 1229
 icro, A. 950
 iser, B. W. 3130
 iser, I. 5342
 iser, P. E. 942, 1812, 1821, 2272, 3560, 3569, 5527
 jak, Z. 2150
 jekar, R. R. 4884
 kitani, I. 74, 5601, 5606
 koma, I. 4791
 lafatić, M. 1259
 ldor, C. J. 3695
 limuddin, M. 347
 linina, L. N. 2774
 linoski, H. T. 1283
 ira, R. L. 4083
 lter, D. C. 39
 lvelage, H. 291, 1146
 lyanasundaram, M. 5445
 mal, R. 4873
 mau, C. W. 2305-2306
 mbhampati, S. 3604
 mble, R. H. 4366
 mboj, K. K. 2988
 mei, K. 5259
 mhawi, S. 3014
 mhawi, S. A. 182
 Kamhuber, A. 3934
 Kamimura, K. 956, 5151, 5157, 5458, 5569-5570
 Kaminsky, R. 2632-2633
 Kamio, T. 641, 2470
 Kamiyama, S. 5568
 Kammann, V. 3456
 Kammer, A. E. 3464
 Kamyszek, F. 488, 1656, 1759
 Kan, L. S. 5065
 Kan, P. T. 648, 4507
 Kanai, A. 1481
 Kanayama, A. 1026, 5662
 Kanchurin, A. Kh. 322
 Kanda, K. 2682
 Kandasamy, C. 814
 Kandil, M. A. 4983
 Kaneda, M. 2931
 Kaneda, Y. 1484
 Kaneko, K. 1762
 Kaneko, Y. 5909
 Kang, B. 4474
 Kang, B. C. 4134, 4474, 4557
 Kang, C. Y. 1225
 Kang, I. J. 4474
 Kang, W. M. 2218
 Kang, Y. B. 1131-1132, 3683-3684, 3858, 4152, 4320, 5309
 Kanmiya, K. 5764
 Kano, R. 1064, 1484, 5728-5729
 Kantam, M. L. 5417
 Kanyukova, E. V. 2198
 Kao, W. Y. 234
 Kapaata, R. 567
 Kapatsa, G. 575
 Kapatsa, G. M. 1883
 Kapitonov, V. F. 265
 Kaplan, H. 1228
 Kapoor, M. M. 1941
 Kapoor, N. N. 3784
 Kapoor, R. K. 4044
 Kapp, A. 2531
 Karabatsos, N. 716, 4888
 Karadzhaev, Kh. O. 2776
 Karaer, Z. 676
 Karalliedde, L. 427, 431-432
 Karam, M. 2652
 Karandina, R. S. 1782
 Karavanov, A. S. 1989, 2482, 2581, 5897
 Karban, R. 931
 Karch, S. 4619
 Karcher, F. 2191
 Kardar, M. A. H. 3433
 Kardatzke, J. T. 2308
 Kardontchik, A. 1275
 Karganova, G. G. 2582
 Karim, S. S. Abdool 5129
 Kariuki, D. P. 638, 1990, 4690
 Kariya, Y. 1017
 Karkhani, R. S. 3243
 Karlsson, M. 3917, 5915
 Karlsson, T. 1942
 Karnad, D. R. 704
 Karp, R. D. 1735, 4129
 Karr, L. L. 5962
 Karstens, R. H. 5302
 Kartsev, V. M. 614, 2438
 Karuhize, G. R. 639
 Karunamoorthy, G. 3759
 Karuppanan, U. 2148
 Kasap, H. 1805, 3554, 5174
 Kasap, M. 1805, 3554
 Kasbekar, D. P. 3984
 Kashat, T. 3845
 Kaslow, D. 2336
 Kassai, T. 1183, 3845
 Kassem, H. A. 5188, 5646
 Kassir, J. T. 1400, 4613
 Kassner, J. 1328
 Kastritsis, C. D. 236
 Kasuya, S. 5325
 Kasza, H. 1305
 Kataeva, T. S. 690
 Katagi, T. 1252, 3472, 3993, 4062
 Katakura, H. 600
 Katala, S. 2055
 Katalinic, J. Peter- 5241
 Katayama, S. 3991
 Katayama, Y. 4005
 Katende, J. 2645
 Kater, S. B. 4104
 Kato, A. 1666
 Kato, K. 986, 5081
 Kato, S. 3992
 Katou, M. 4956-4957
 Katsu, T. 5273
 Katz, G. 1635
 Katz, M. 5031
 Katz, S. P. 518, 4654
 Kaubitzsch, S. 5072
 Kauffman, E. E. 116
 Kaufman, B. M. 3246
 Kaufman, G. L. 1078, 3074
 Kaufman, H. E. 1356
 Kaufman, L. D. 1641
 Kaufman, W. R. 1959
 Kaukas, A. 4689
 Kaul, D. 1074-1075
 Käuser, G. 1894
 Kaushal, D. C. 2217
 Kavanaugh, D. H. 2859
 Kawabata, N. 5926
 Kawada, H. 955, 5079, 5153
 Kawahara, S. 1087
 Kawai, K. 5261
 Kawai, N. 2555
 Kawakami, T. 911
 Kawakami, Y. 5152
 Kawamoto, K. 4069
 Kawanishi, C. Y. 141, 2670, 2691, 5936
 Kawata, M. 2738
 Kawazu, S. 2470
 Kay, A. B. 3206, 4243, 4333, 4833
 Kay, B. H. 398, 750, 993, 2259, 2317, 2953, 4402, 5135
 Ke, Z. X. 2339
 Keadtisuke, S. 1269
 Kebbouche, M. L. 4910, 5378
 Kechil, A. A. 479
 Keeble, V. B. 3986
 Keegan, K. G. 2630
 Keeler, K. H. 276
 Keeley, L. L. 2176
 Keenan, J. 3303
 Keeton, J. T. 4076
 Keiding, J. 5711
 Keim, T. 2728
 Keirans, J. E. 1563, 2486, 3161
 Kejzlarová-Lepesant, J. 455
 Kelbaugh, P. R. 1613-1614
 Keller, A. 4318
 Keller, J. E. 3342
 Keller, L. 626, 1117, 1943, 1946-1947, 3773
 Keller, M. 5241
 Keller, R. 2157
 Kelley, P. W. 4427
 Kelly, D. J. 2609, 2626
 Kelly, P. M. 606, 4479
 Kelly, T. J. 577, 3470, 3650
 Kemeny, D. M. 373, 4271-4272, 4475
 Kemp, A. C. 3
 Kemp, D. H. 669, 1531, 4297
 Kempfle, M. D. 4761
 Kenawy, M. A. 3002, 5128, 5647
 Kendrick, R. Killick- 2355, 3015-3016
 Kennedy, I. R. 1892
 Kennedy, J. P. 4731
 Kennedy, M. J. 4714
 Kennel, S. J. 5772
 Kenneth, R. G. 2702
 Kenny, J. 4305
 Kenny, N. A. P. 5238
 Kenya, International Centre of Insect Physiology and Ecology 2837-2838
 Kenzhebaev, A. Ya. 1781
 Kenzhebaev, Zh. K. 185
 Keppi, E. 1906, 5235
 Kerdipule, V. 5186
 Kere, N. 5153
 Kerem, E. 4367
 Keren, A. 4367
 Kermott, L. H. 4228
 Kerr, J. D. 667, 1135-1136, 1480, 3671, 4289, 5694
 Kershaw, A. 688
 Kerwin, J. L. 394, 1403, 4953
 Keshavan, R. 2778
 Keshishian, H. 459
 Kesler, D. H. 5091
 Kessel, M. 2943
 Keto, A. J. 954
 Ketola, M. 3082
 Ketrangsee, S. 4663
 Kettle, D. S. 2349
 Kevan, D. K. McE. 3232
 Keyl, H. G. 237, 5771
 Keymer, A. E. 2574
 Keyvan-Larijani, E. 5382
 Khachatourians, G. G. 379, 2703, 3957-3958
 Khachatryan, A. A. 5406
 Khalacheva, M. 5732
 Khalifa, M. S. Al- 1156, 3182
 Khalil, G. M. 1542, 1564, 4798
 Khambay, B. P. S. 2739, 2741
 Khamboonruang, C. 2296, 5120
 Khamees, N. R. 3877
 Khan, A. A. 4051
 Khan, M. A. 408, 1584, 3290
 Khan, M. A. Q. 5960
 Khan, M. F. 2099
 Khan, M. N. I. 408
 Khan, R. A. 2045
 Khan, R. J. 2424
 Khangarot, B. S. 2568
 Khanna, R. N. 1268
 Kharitonov, A. Yu. 2466
 Khawaled, K. 3590
 Khera, S. 3870
 Killare, Y. K. 839, 4033
 Khodzhaeva, L. F. 3325
 Khole, V. 5247
 Khoo, B. K. 84
 Khorkordin, E. G. 2066
 Khot'ko, N. I. 3046
 Khoury, C. 1977
 Khovrychev, M. P. 4945
 Khozinskiĭ, V. V. 5896
 Khristov, G. 1152
 Khromova, L. A. 1053
 Khutoretskaya, N. V. 5305
 Khvatov, P. P. 2581
 Kibayashi, C. 1518
 Kidd, H. 860
 Kidwai, M. M. 3373
 Kiehn, M. 3121
 Kiel, E. 3029, 4202, 4678
 Kiely, J. 5933
 Kiepiel, J. 361
 Kigodi, P. G. K. 4975
 Kihata, K. 1458
 Kijchalao, U. 88
 Kiknadze, I. I. 594, 2422
 Kikuchi, T. 2932
 Kikukawa, S. 1732-1733
 Kikuzono, Y. 1252
 Killick-Kendrick, R. 2355, 3015-3016, 3293, 3624
 Kim, C. W. 2844
 Kim, H. C. 4610
 Kim, J. B. 2864
 Kim, J. H. 827
 Kim, J. I. 3735-3736, 5265
 Kim, K. C. 4849
 Kim, M. 409
 Kim, Y. K. 1131
 Kimball, M. R. 116
 Kimbrell, D. 454
 Kimura, T. 140
 Kimura-Kuroda, J. 4383
 Kindle, H. 910
 King, B. H. 2443
 King, D. 454
 King, E. G. 2835
 King, F. 1330
 King, J. 1526
 King, J. E. 2178, 5062
 King, L. E. 1730

- King, M. J. 5867
 King, T. P. 1514
 King, T. Poon- 5872
 King, W. V. 967, 1237
 Kingsbury, P. 3975
 Kingsbury, P. D. 2104-2105
 Kingsolver, J. G. 3446
 Kinoshita, K. 2975
 Kinsler, S. 4038
 Kintz, P. 5466
 Kipnis, T. L. 3437
 Kirchhoff, L. V. 3285, 4587
 Kirchner, T. 3884
 Kirihara, S. 3996
 Kirihata, M. 2335
 Kirk, L. J. 2250
 Kirk, P. W. W. 4068
 Kirkpatrick, C. E. 1918, 5292
 Kirschbaum, J. B. 2714
 Kirschfeld, K. 1081
 Kiseleva, E. V. 1093
 Kishimoto, Y. 5065
 Kislenko, G. S. 1987-1988
 Kismali, S. 3358
 Kiss, A. 1681
 Kiss, G. 5932
 Kitahaba, T. 4013
 Kitaoka, S. 5639
 Kitayaporn, D. 5358
 Kitron, U. 5172, 5292
 Kitron, U. D. 2950
 Kivity, S. 2171
 Klade, H. 4907
 Klap, D. F. 2405
 Klare, B. 2181
 Klauck, M. J. 325
 Klausnitzer, B. 1722, 2435
 Kleckner, R. C. 5015
 Kleef, R. G. D. M. van 1683
 Kleene, R. 2135
 Klei, T. R. 177
 Kleider, N. 1428
 Klein, D. 1650
 Klein, G. 3121
 Klein, K. K. 581
 Klein, S. A. 581
 Klein, T. A. 2236
 Kleinjan, J. E. 1833
 Kleinschmidt, T. 5771
 Klen, T. 5333
 Klier, A. 1230
 Kliks, S. C. 3888
 Klimenko, S. M. 1010
 Kline, D. L. 942, 968, 970, 1013-1014, 2256, 2270-2271, 3039, 3617, 4666
 Kline, E. 3384
 Kliszewski, E. 1588, 2382
 Kloetzel, P. M. 4743
 Kloft, W. J. 1192
 Klompen, J. S. H. 2020
 Klowden, M. J. 105, 1834-1835, 3577
 Kluk, K. 1570
 Kluzák, Z. 2834
 Knapp, F. W. 2268, 3059, 4971
 Knapp T. 3019
 Knaus, R. M. 2865, 3775
 Knausenberger, W. I. 179
 Knechtges, P. L. 507
 Knepper, R. G. 953, 2304
 Knickmeyer, R. 342
 Kniest, F. M. 2011
 Knight, J. W. 2314, 2329, 4646, 5612
 Knight, K. L. 5452, 5581
 Knight, M. M. 5849
 Knipper, M. 2135
 Knipple, D. C. 3981
 Knobloch, C. A. 1773
 Knobloch, J. 4427
 Knowles, B. H. 378, 385, 490, 4484
 Knowles, D. 1571
 Knox, M. 4845
 Knoz, J. 5636
 Knudson, D. L. 2584, 2590-2591
 Knudson, G. B. 1881
 Knutson, R. 4702
 Kobayashi, A. 1482
 Kobayashi, J. F. 2283
 Kobayashi, K. 3521
 Kobayashi, N. 4350
 Kobayashi, S. 5761
 Kobayashi, T. 4003, 5715, 5956, 5959
 Kobayashi, Y. 5668-5669
 Koblet, H. 4403
 Kocan, K. 1571
 Kocan, K. M. 649, 1961, 2495, 3791-3792, 3821, 3825, 5828-5829
 Koch, H. G. 3812
 Koch, O. R. 1270
 Kock, A. E. de 1520
 Kock, D. 3834
 Kodada, J. 258
 Kodavanti, P. R. S. 5002
 Kodkind, G. Kh. 2581
 Koech, D. 5631
 Koech, D. K. 2957, 4628, 4645, 5124-5125, 5530
 Koehl, M. A. R. 3446
 Koehler, P. 2174
 Koehler, P. G. 1319, 1745-1746, 1749, 2180, 2208, 3054, 3548, 4153, 5071, 5078
 Koekhoven, Y. 3825
 Koeman, J. P. 3197
 Koeppe, J. K. 1727-1728
 Koethe, R. W. 591
 Kogan, P. H. 4615, 5130
 Koh, K. 1973, 5283
 Kohl, I. 357
 Kohn, C. 2606
 Kohn, M. 1349
 Kohno, S. 3521
 Kohutová, V. 357
 Køje, M. 1178
 Kojima, I. 5079
 Kojima, J. I. 3772
 Kojima, M. 5005
 Kok-Yokomi, M. L. 120, 5019
 Kokate, P. R. 2097
 Koke, J. A. 3320
 Kolakofsky, D. 2601-2602, 4412
 Kolesnikov, N. N. 594, 5759
 Kolk, J. H. van der 2412
 Koll, P. 361
 Kolokol'tsova, T. D. 3556
 Kolstoe, J. 4894
 Kolstrup, N. 4496
 Kolupaeva, N. A. 1785
 Komala, Z. 3362
 Komalamisra, N. 983
 Komano, H. 1910
 Komano, T. 1233
 Komasaara, P. 1618
 Komatsu, H. 1642
 Komissarova, L. A. 2754
 Komsuoglu, B. 1507
 Kondig, J. P. 2306, 3162
 Kondo, S. 1087
 Kondrashina, N. G. 1010
 Kondratieff, B. C. 1495
 Konfortion, P. 1837
 König, R. 910
 König, W. 5966
 Konishi, E. 1369, 1377, 1823, 2948, 2956, 3298, 5121
 Konishi, K. 5261
 Konji, V. N. 1863
 Kono, R. 4383
 Kono, Y. 735, 1852, 3997
 Kononenko, A. F. 2043
 Konopińska, D. 2737
 Konstantinov, O. K. 5907
 Konstantinov, S. A. 195, 1861
 Konz, K. G. 480
 Koo, D. S. 2987
 Koolman, J. 1894
 Koopman, J. P. 3857
 Koopmanschap, B. 2889
 Kopczewski, A. 1589, 1604
 Kopczyńska-Maslej, J. 1753
 Kopczyńska-Maslej, L. 1754
 Kopeyan, C. 3863
 Kopferschmitt-Kubler, M. C. 1160
 Koptsev, L. A. 1781
 Kordy, M. W. El- 4218
 Korenberg, E. I. 2482, 3806
 Korenkiewicz, J. 4133
 Koretskaya, N. G. 5405
 Korneev, A. S. 1115
 Kornfield, I. 471
 Kornilchuk, G. O. 2448
 Korol, M. Yu. 3244
 Koros, J. 5631
 Koros, J. K. 2957, 4645
 Korotkov, Yu. S. 1987-1988
 Körschenhausen, D. 1172
 Kort, S. de 2889
 Korte, D. W., Jr. 2933, 5052, 5119
 Korver, M. P. 5439-5440
 Korzhevenko, G. N. 2776
 Korzhov, P. N. 3253
 Korzun, I. B. 5074
 Koshkaryan, A. O. 2775
 Koshkimbaev, K. 1859
 Koshte, V. L. 4782
 Koshy, T. J. 3788
 Kosowski, S. G. 787
 Koster, A. 441
 Kostina, M. N. 1845, 2718
 Kostrzhevskaya, O. G. 2448
 Kotikal, Y. K. 5468
 Kotov, V. K. 5406
 Kotti, B. K. 1779
 Kotze, A. C. 417
 Kouri, G. P. 3892, 3898, 4375
 Koutinas, A. F. 3885
 Kouvalainen, E. 1478, 3674
 Kovačević, V. 2102
 Kovach, I. M. 5949
 Kováčik, J. 286, 5863
 Kovács, F. 570
 Kovács, L. 570
 Kovalev, V. G. 5756
 Kovalevskii, Yu. V. 2482, 3806
 Kovanen, J. 4425
 Kownacki, A. 1305
 Koyama, A. H. 5375
 Kozak, M. 1757
 Kozakevitch, V. P. 3253
 Kozánek, M. 1499
 Kozlov, M. P. 1783
 Kozłowska, A. 1401
 Kožuch, O. 293, 2326
 Kraan, C. van der 4506
 Krafur, E. S. 3646
 Kraft, D. 2533
 Kraft, W. 4847
 Kragballe, K. 3914
 Krairiksh, S. 535
 Kraiss-Gothe, A. 291, 4847
 Krakowski, A. 2542
 Král, D. 5775
 Kral, K. 4707
 Kramer, D. A. 5223
 Kramer, J. P. 4711, 5597
 Kramer, K. J. 1455, 4568
 Kramer, L. D. 3559
 Kramer, R. D. 1749, 2180
 Kramer, V. I. 4624
 Kramer, V. L. 113, 123, 156, 940
 Kramer, W. L. 5180
 Krampitz, H. E. 2634
 Krantzberg, G. 3721
 Krasnyuk, E. P. 1688
 Kratz, K. W. 1307
 Kraus, W. 1663
 Krausman, P. R. 65
 Krawczyk, D. F. 2760
 Křeček, J. 3145, 3148
 Krecek, R. C. 1083
 Krefting, E. R. 1901
 Kreier, J. P. 778, 4522
 Kreissig, I. 3249
 Kremer, M. 2998, 3621
 Kreutzer, R. D. 1018, 3003, 4185, 4673, 5199
 Kreutzweiser, D. P. 2104-2105
 Kreyling, J. 2728
 Kreyser, K. 1694
 Krick, S. A. 2204
 Krieg, A. 4111
 Krinskaya, T. B. 929
 Krippel, E. 1569
 Krishnakumari, M. K. 2762, 3372
 Krishnamoorthy, K. 5110
 Krishnamurthy, V. V. 1279, 1281
 Krishnan, C. K. 2980
 Krisnowardojo, S. 2260
 Kristensen, A. B. 972
 Kristoferitsch, W. 4902
 Kristofik, J. 3751
 Krivonos, Zh. P. 5865
 Krnjević, K. 5786
 Kroczyński, J. 1462
 Krolikovodstvo i Zverovodstvo 5860
 Krueger, R. A. 1455
 Krüger, H. 2054
 Kruglyak, S. P. 712, 2586, 5810
 Krul, J. 3883
 Kruminis-Łozowska, W. 1350
 Krumpál, M. 66, 5515
 Kruszewicz, A. 2019
 Krylova, S. V. 3326
 Kryuchennikov, V. N. 3806
 Krzemińska, A. 1464
 Krzystyniak, K. 4036-4037
 Krzyżanek, E. 1305
 Kshemkalyani, S. B. 2097
 Książek, T. G. 732, 2619, 3912
 Ku, W. K. 5200
 Kubala, G. 1211
 Kubler, M. C. Kopferschmitt-1160
 Kubo, I. 409
 Kubo, M. 1852
 Kubo, T. 1482
 Kubo, Y. 5261
 Kucera, J. R. 5101
 Kuchlein, J. H. 3481
 Kudoyarova, I. Ya. 5198
 Kuflikowski, T. 1305
 Kuhadja, F. P. 4918
 Kuhl, G. 2673, 4477
 Kukalova-Peck, J. 3101
 Kukuk, P. F. 2439
 Kulakova, S. N. 5976
 Kulasekera, V. 5581
 Kulikova, L. N. 1848
 Kulinich, L. I. 5404
 Kulišić, Z. 4574, 4578, 5082
 Kulkarni, K. M. 3370
 Kulkarni, M. M. 2731
 Kulkarni, S. B. 2093
 Kulkarni, S. M. 544, 5146
 Kumada, N. 911
 Kumagai, A. 2423
 Kumar, A. 4022
 Kumar, D. 3854
 Kumar, K. 559
 Kumar, R. 4082
 Kumar, S. 420
 Kumari, P. 3870
 Kumatar, V. K. 5790
 Kummerfeld, N. 1171
 Kundert, K. 5313
 Kundzicz, H. 4537
 Kunimi, Y. 793
 Kunitate, A. 5940
 Kunkel, J. G. 908-910, 2152, 4135, 5470
 Kuno, G. 158
 Kunz, C. 4378
 Kunz, S. E. 4703, 5250
 Künzer, W. 1191, 1202
 Künzer, W., Jr. 1191, 1202
 Kupa, A. 3119
 Kupke, T. 1229, 4948
 Kurahashi, H. 1071, 1087, 1899, 5246, 5730, 5761
 Kurata, S. 1910
 Kurczewski, F. E. 3686
 Kureel, V. R. 4200
 Kuriakose, K. M. 3578
 Kurihara, T. 4156, 5151, 5157, 5567

- urisu, K. 4956-4957
urita, Y. 3993
uroda, J. Kimura- 4383
urogi, H. 2343
uroko, M. 5273
urshelova, R. 3847
urta, A. 5516
urtak, D. C. 3031
urtti, T. J. 1966, 2707
urtz, M. S. 1261
usalerdchariya, S. 3887
usnetsova, N. V. 2420
utscher, R. 5022
utscherowsky, M. 2103
utzer, E. 4844
uwahara, Y. 1317, 5331
uwano, E. 823, 2734, 5245
uzhir, T. D. 1095, 2146
uz'minskaya, U. A. 1676
uznetsov, A. A. 1010
uznetsov, V. N. 2581
uznetsova, K. A. 1786
uznetsova, N. I. 2069, 3953
uznetsova, R. I. 3806
uzoe, F. A. S. 2639, 4463
uzuhara, T. 5233
wock, D. 3199
yle, A. L. G. 2433
yle, D. R. 2906
yorku, C. 5687
yrtatas, V. 2847
a Cavera, C. 784
a Rosa, G. 2060
a Torre, F. de 386
a Torre, J. L. 2675
a Torre-Bueno, J. R. de 5032
abeyrie, V. 463
aborda, E. 4014
aborde, R. P. 1356
abuda, M. 293-294, 1569, 2326
aby, R. H. 3685
acey, C. M. 3587, 4601
acey, L. A. 3587, 4601
ackie, A. M. 794, 978, 2168
acombe, D. 46
acombe, E. H. 5814
adonni, H. 91
afont, R. 1706, 3493
agog, M. 1811, 2230
agunas, A. 334
ahiri, P. 5423, 5425
ahiri, S. C. 5346
ahnstein, J. 669
ai, C. J. 4381
ai, D. Y. 3310
aille, M. 3240, 5365
ainson, R. 3284, 3625
aird, M. 4157, 5542
ake, P. S. 1309
akes, R. 4717
akhotia, S. C. 2934
akos, A. 5922
akshmanan, N. 5800
al, M. M. 3373
alitha, C. M. 3788
alkhan, C. M. 2867
alumière, M. 2676
am, T. N. C. 1652
amarque, D. 2629
amas da Silva, J. M. 1452
amb, J. 4333
amb, J. R. 3206, 4833
ambert, C. 3240
ambert, J. 1906, 5235, 5237
ambin, M. 3465
amizana, L. 1793, 5620
ammie, P. J. 4654
'Amoreaux, W. J. 2498
ampe, K. F. 1508
ampert, G. J. 1742
ampert, K. J. 2250
amy, M. 259
an, J. L. 4130-4131, 4166
ancaster, V. 3021
ancelot, R. 3621
ancet 773
anciani, C. A. 2284, 5320
andau, I. 2350, 3927-3929
anders, A. J. 2726
andim, C. da Cruz- 5499
Landon, T. M. 461
Lane, R. 182
Lane, R. P. 182, 2357, 3005, 3013, 3018, 3023, 3702, 5647
Lane, R. S. 1538, 1567, 3038, 3277, 3809, 4117, 4797
Lane, T. W. 3260
Lanfranchi, P. 5520
Lang, J. T. 1885
Lang, Y. 1085
Lange, A. B. 495, 1772, 1840, 2139, 2541, 5871
Lange, C. 5727
Lange, R. 4802
Langen, H. 829
Langley, P. 4498
Langley, P. A. 1873, 2376, 4210
Lankas, G. R. 5426
Lanot, R. 2172
Lanzaro, G. C. 1812
Lanzrein, B. 910, 2886-2887
Lapalisie, J. 1128
Lapchin, L. 1310
Lapied, B. 1322, 3507
Lara, J. C. 2678
Lara, W. H. 842
Laranja, R. J. 2477
Lardé, G. 3715
Larijani, E. Keyvan- 5382
Larina, G. I. 5898
Larmet, Y. 3509
LaRochelle, W. J. 2671
Larouze, B. 772, 2050
Larsen, H. J. 3623
Larson, D. J. 246, 5266
Larson, O. R. 1778
Larson, V. L. 958, 4630
Larsson, J. I. R. 3944, 3966
Lasarowa, A. 4510
Lashkevich, V. A. 295, 2582
Lassman, H. 4907
Lastre, M. 510, 5607
Lata, K. 3802, 3810
Latgé, J. P. 865, 1651, 3959
Latham, M. D. 958
Latif, A. A. 4799-4800
Lattanzi, G. 2098
Latto, J. 2857
Lau, C. 5936
Lau, S. 2527
Lauche, A. 3833
Laudani, U. 2182, 4139, 5479
Laudon, F. 5369
Laudy, J. Sainte- 264, 271
Lauenroth, W. K. 4779
Lauerma, L. H. 2994
Laufer, H. 4240
Laughlin, J. 806
Laughlin, J. M. 4970
Laughlin, S. B. 3673
Launay, H. 1550
Laurence, B. R. 1300, 1378, 4244
Lauricella, M. 5504
Lauschner, M. Mazzarri de 4058
Lavagnino, A. 1355
Laveissière, C. 4205
Laville, H. 1497
Lavin, D. R. 3624
Lavine, B. 4774
Lavine, B. K. 1937
Law, J. H. 2125
Lawn, R. E. 2112
Lawrence, G. W. 2317
Lawrence, J. A. 4804
Lawrence, J. F. 2806
Lawrence, P. A. 4532
Lawrence, T. G. 2698
Lawson, J. R. 3075
Lawton, A. W. 1649
Lawton, J. H. 3490
Lawton, N. F. 661
Lawton Smith, J. 4917
Lawyer, P. 3294
Lay, G. le 2593, 5823
Lazarowitz, Z. 2537
Lazarus, W. F. 5225
Lazdunski, M. 1616
Lazell, M. I. 4269
Lazorchak, J. 3384
Lazuick, J. S. 1566, 2344
Lazzari, C. R. 1774
Le Barbe, L. 562
Le Berre, R. 1034
Le Blanc Smith, P. M. 5373
Le Fichoux, Y. 1219
Le Lay, G. 2593, 5823
Le Maitre, A. 5791
Le Mao, J. 3205, 4353
Le Moli, S. 5394
Le Page, R. W. F. 2372
Le Patourel, G. N. J. 478, 2883, 5475
Le Pont, F. 5194
Le Ray, D. 3292, 4208
Le Riche, P. D. 1955
Le Sueur, D. 164, 505, 5529
Lea, A. O. 1804, 2233, 2342, 5105
Leahey, J. P. 2094, 2765
Leake, C. J. 738
Leake, D. W., Jr. 5175
Leake, L. D. 418
Leal, W. S. 5331
Leaning, W. H. D. 4963
Learner, M. A. 595
Leass, D. L. 1213
Leazer, J. 4010
Lebbe, J. 4103
Lebeaut, A. 1206
Lebecque, S. J. 2529
Lebedinets, N. N. 1844
Leblova, S. 426
Leboutet, M. J. 653
Lebrun, P. M. 2529
Lecadet, M. M. 1232
Lecher, P. 881
Lechner, M. 1229, 4948
Leclercq, M. 1442, 1444, 3124
Lecomte, F. 4422
Lecomte, J. 3124
Ledesma, O. 5504
Ledford, D. K. 4282
Ledger, J. A. 5484
Ledru, E. 4277
LeDuc, J. W. 741, 745
Lee, A. H. 2757
Lee, B. H. 2844
Lee, C. E. 2844
Lee, C. L. 5979
Lee, D. G. 1715
Lee, D. J. 4093-4100, 4521
Lee, D. T. 4130
Lee, E. M. 2045
Lee, H. H. 4950
Lee, J. Y. 2336
Lee, K. H. 1284
Lee, K. M. 3618
Lee, M. 5171
Lee, M. H. 795
Lee, P. E. 2677, 5932
Lee, R. E., Jr. 3480
Lee, S. A. 4988
Lee, S. G. 1131
Lee, S. R. 4271
Lee, S. S. T. 4699
Lee, Y. C. 4950
Lee, Y. S. 2864
Leech, C. A. 22-23
Leemingsawatt, S. 5150, 5186
Lees, G. 2881, 4104
Leeuwenburg, J. 3294
LeFebvre, R. B. 2607
Lefevre, J. 5727
Lefèvre, P. C. 870, 3621
Léger, N. 2974, 3295
Leger, R. J. St. 1236, 4488
Legner, E. F. 15, 261, 3114, 3762-3763
Legrand, D. 2215
Legrand-Quillien, M. C. 2593
Lehane, M. J. 2240, 4694
Lehmkuhl, D. M. 1032, 5434
Lehotzky, K. 1681
Lehr, J. H. 853
Lei, K. J. 5347
Leibisch, A. 206, 214
Leibovici, V. 1624
Leid, R. W. 5398
Leidescher, T. 2558
Leigh-Browne, G. 569
Leishman, K. 1190
Leitch, B. L. 1956
Leite, A. C. R. 5251
Lekeux, P. 1674
Leland, P. 2227
LeMaitre, A. 5113
Leman, P. A. 763, 5376
Lemche, J. 1135-1136, 2475
Lemke, L. A. 2208
Lendahl, U. 5767
Leng, Y. J. 1019
Lenoir-Rousseaux, J. J. 2132
Lensen, A. H. W. 2246, 4647
Lenson, T. H. W. 2225
Leonard, B. R. 3982
Leonard, P. K. 2089
Leonas, K. K. 404
Leonova, G. N. 712, 2586, 5810
Leonovich, S. A. 1985
Leont'ev, Yu. F. 583
Leopold, R. A. 4705
Lepage, P. 5235
Lepelletier, L. 515
Lepers, J. P. 2642
Lepessant, J. A. 455
L'Eplattenier, R. 5313
Leppla, N. C. 4153, 5078
Leprince, D. J. 1016, 1044, 1441, 2366, 3042
Lera, P. A. 2820
Lerdthusnee, K. 4173
Lereclus, D. 790, 1232
Lerma Doria, C. E. 2577
Leroy, P. L. 4813
Lesch, O. M. 2166
Leschen, R. A. B. 602
Leser, G. 4736
Lesicki, A. 2737
Leskinen, L. 5333
Lesnikov, N. T. 2620
Lesourd, B. 264, 271
Lessard, J. L. 4129
Léssard, P. 5313
Lessoif, M. H. 4272, 4475
Lester, J. N. 4068
LeSueur, D. 1385
Leszek, J. 5381
Letchworth, G. J. 4376
Letourneau, W. J. 2159
Leung, J. W. 2077
Leung, M. K. 6
Leung, S. S. 4431
Levachev, M. M. 5976
Lever, R. S. 2012
Levi, H. W. 2557
Levi, M. I. 1786
Levi, P. E. 4038, 4045
Levieux, J. 3740
Levin, D. 2676
Levin, M. L. 3806
Levina, A. B. 2146
Levina, L. S. 2580
Levine, J. F. 2280
Levine, L. 8
Levine, M. 3451
Levine, R. B. 3450
Levitin, A. I. 1848
Levot, G. W. 1068, 3695
Levy, A. 2873
Levy, M. L. 3217
Levy, R. 2786
Lewengrub, S. 3797
Lewis, D. 2784
Lewis, D. J. 73, 4652, 5651
Lewis, G. E., Jr. 5171
Lewis, J. G. E. 5892
Lewis, J. H. 1256
Lewis, R. E. 1347
Lewis, S. 1330
Lewis, T. 1300
Lewis, W. M., Jr. 587
Ley, S. V. 1661, 2743, 3345, 4979, 4981
Leygues, M. 1047
Lezzi, M. 1090
Li, B. W. 1411
Li, C. J. 2234
Li, C. S. 3703

- Li, D. Z. 4371
 Li, F. W. 4193
 Li, G. M. 5857
 Li, H. M. 5144
 Li, J. 4168, 5075-5076
 Li, J. C. 308
 Li, J. M. 4451
 Li, J. Y. 59, 1417
 Li, K. D. 5859
 Li, Q. J. 4371
 Li, R. S. 5407
 Li, W. B. 4195
 Li, W. S. 27-28
 Li, Y. C. 3785
 Li, Z. X. 4658
 Li, Z. Z. 143, 4156
 Liakos, V. D. 920
 Liang, C. M. 2224
 Liang, G. D. 5783
 Liao, G. H. 4159
 Liao, H. R. 5857
 Liao, J. Y. 3542
 Liaw, S. J. 1005
 Libersat, F. 3514
 Librizzi, R. 2061, 4417, 4444
 Licastro, S. A. de 2921
 Licéaga, E. 5985
 Lichtenstein, L. M. 4942
 Lidert, Z. 1661
 Lidror, R. 1643
 Liebisch, A. 2014, 2425, 2490, 2543
 Lienhard, C. 1714
 Liesivuori, J. 846
 Light, J. 2227
 Lighton, J. R. B. 3779
 Liguori, M. 3842
 Liljedahl, L. E. 889
 Lillie, L. E. 4051
 Lillie, T. H. 1014, 1405
 Lima, J. A. N. 3541
 Lima, J. D. 1957
 Lima, J. E. N. S. 151
 Lima, M. E. de 2032
 Lima Costa, M. F. F. 1188
 Lin, F. L. 266
 Lin, F. M. 685
 Lin, H. Y. 1321
 Lin, X. Y. 3321
 Linardi, P. M. 5492
 Lind, P. 4834
 Linde, T. C. de K. van der 5611
 Linden, A. L. 4629
 Linden, J. N. van der 210-211
 Linden, M. 829
 Lindemayer, J. 3920
 Linderman, R. J. 4010, 5953
 Lindner, W. A. 274
 Lindsay, M. D. 1822
 Lindsay, S. W. 982, 991, 1382, 2720, 4156
 Lines, J. D. 4156, 4158, 4497
 Linhares, A. X. 1069, 2346, 5737
 Link, C. 2063
 Linley, J. R. 87, 988, 1366, 1816-1817, 1820, 2276, 2947, 2952, 2954, 2961, 3616, 5126
 Linley, P. A. 5126
 Linn, B. O. 3351
 Linthicum, K. J. 732, 950, 2306, 2489, 3162, 3796, 5290
 Linzen, B. 4855
 Lipman, J. 428
 Lipson, M. P. 65
 Lisansky, S. G. 3313
 Liscia, A. 1890, 3041
 Lisińska, K. 1618
 Lissman, B. 4923
 Lithuanian SSR, Lietuvos TSR Kultūros Ministerija 4085
 Littlefield, J. L. 3764
 Litwak, T. R. 3161, 4617
 Litwin, H. J. 5383
 Litwin, T. S. 4306
 Litzke, F. 1606
 Liu, C. F. 1412
 Liu, C. M. 5347
 Liu, C. Y. 5513
 Liu, D. 1411
 Liu, D. B. 3063, 5692
 Liu, D. P. 1671
 Liu, F. M. 4192
 Liu, H. C. 5859
 Liu, J. H. 1808, 3397
 Liu, K. C. S. 4001
 Liu, S. L. 1761
 Liu, S. Q. 4194
 Liu, Y. J. 5859
 Liu, Y. K. 1402
 Liu, Y. M. 4927
 Liu, Z. T. 4676
 Liu, Z. Y. 1347
 Liukkonen, S. 846
 Livingston, A. 4270
 Livingston, C. W., Jr. 4889
 Livingstone, D. J. 4004
 Lizarraga, G. Ruiz 1924
 Llagas, L. de las 779
 Llanes, R. J. Fernández 348
 Llanos, J. 2850
 Lloria, J. 3520
 Lloyd, J. E. 3747
 Lo Dico, C. 5735
 Lobanov, A. M. 2384
 Lobel, H. O. 5161
 Löblich, K. P. 2531
 Lobigs, M. 4411
 Lobo, J. M. 599, 4751
 Loch, L. C. 2070
 Locke, M. 457, 4119
 Locket, N. A. 5887
 Lockey, R. F. 3780, 4282
 Lockley, T. C. 2551
 Lockwood, J. A. 2868, 3982
 Lodetti, E. 1939
 Lodhi, S. 4146
 Lodi, V. 847
 Lodos, N. 4090
 Loeschke, V. 209
 Loevinsohn, M. E. 848
 Lofgren, C. S. 3134, 3140, 3776
 Logan, J. A. 16, 3482, 4536
 Logan, J. L. 708
 Logan, L. L. 770
 Logan, T. M. 950, 2306, 2489, 3162, 3796, 5290
 LoGerfo, J. P. 429
 Loh, R. K. S. 1142, 5284
 Lohe, A. S. 704
 Lohnes, J. P. 2062
 Loíacono, M. S. 48
 Loiola, C. C. P. 5505
 Lok, J. B. 780
 Lomba, F. 1674
 Lombardi, P. 4036
 Lombardi, S. 1793, 4454, 5624
 Lonc, E. 487, 1703, 1720, 1753-1754, 1756-1757
 Londershausen, M. 3456, 5415
 London, R. E. 4010
 Long, E. G. 707
 Long, G. R. 2212
 Long, J. Y. 4676
 Longnecker, M. T. 5295
 Lonikar, M. 5953
 Lonsdale, B. 3696
 Loof, A. de 1731, 1902, 4716, 5066, 5724
 Loong, K. P. 977, 2990, 5108
 Lopes, H. S. 5738
 Lopes, O. S. 351
 Lopes, S. M. 5710
 López, F. A. 2572
 Lopez, J. R. 944
 Lopez, M. 2530
 Lopez, M. A. Peribañez- 4316
 Lopez, M. Diaz- 3066
 López, T. 5543
 Lopez-Aparicio, P. 828, 4039, 5973
 López-Ferber, M. 2673, 4477
 López-W., R. 5323
 Lopin, V. V. 2051
 Lord, J. C. 393, 5549
 Lorenz, L. H. 102, 1544, 2985, 4173, 5540
 Lorenzen, K. 470, 4124
 Lorenzo, A. Pereira- 5519
 Lorenzoni, O. D. 1168
 Loret, E. 2032
 Lorincz, A. 4430
 Loriya, Zh. K. 391, 5938
 Loroño, M. A. 3241
 Lösch, P. 1338
 Losh, D. P. 1211
 Lott, D. A. 501
 Lotthammer, K. H. 2831
 Lotti, M. 3386, 3389
 Loughnan, M. L. 3098
 Louis, C. 2673, 4477
 Lounibos, L. P. 3596, 4630, 5126
 Loureiro, S. 5192
 Lourenço, W. R. 2034, 2036, 4859, 5888
 Lousa, A. 1540
 Louwé, L. 522
 Louzã, A. C. 3820, 3823
 Love, J. 1329
 Lovell, C. R. 3702
 Lovisi, A. 3682
 Low, M. G. 387
 Lowrie, R. C., Jr. 518, 3581, 4654
 Loye, J. E. 1538, 1567
 Loyless, T. M. 93, 5547
 Łozowska, W. Kruminis- 1350
 Lu, A. G. 779
 Lu, A. Y. H. 5018, 5436-5437
 Lu, B. L. 4156, 4497, 5144
 Lu, H. L. 1411
 Lu, W. S. 5307
 Lu, W. X. 5307
 Lu, Y. R. 1416
 Lu, Y. X. 4194
 Lubeau, M. 653
 Lubosch, J. 2733
 Lubyanova, I. P. 1688
 Luca, F. de 445
 Luca, M. de 4444
 Lucas, R. 2473
 Luckevich, M. D. 2692
 Luckins, A. G. 2371
 Łuczak, J. 702
 Luczynska, C. M. 2530
 Ludwig, G. V. 4399
 Luft, B. J. 4424, 4899, 4901
 Lugnier, A. A. 5466
 Lugt, A. van der 211
 Lugthart, G. J. 3379
 Lukat, R. 1738
 Lukeš, J. 4657
 Lukhnova, L. Yu 363
 Lukin, L. G. 3067
 Lukina, L. S. 2352
 Lukoschus, F. S. 1591
 Lumaret, J. P. 3725-3726, 3735, 3737
 Luna Dias, A. P. A. 4201
 Lundström, J. 5357
 Lundström, J. O. 4639, 5123, 5357
 Lunt, D. K. 4702
 Lunt, S. R. 2288
 Luo, G. 5407
 Luo, L. F. 2221, 2224
 Luo, S. F. 1005
 Luo, Y. H. 2224
 Luo, Y. P. 5476
 Luo, Z. Q. 4192
 Lupton, G. P. 330
 Lusby, W. R. 3803
 Lushekina, A. A. 181
 Lusi, A. 3351
 Lustigman, B. 1502
 Lustosa, E. S. 5594
 Lüthy, P. 791
 Lutsuk, S. N. 288
 Luz, E. 5604
 Lvov, D. K. 737, 744, 2052, 2594
 Lvov, S. D. 1010
 Lyapustin, V. N. 295, 2582
 Lyashova, L. V. 1880
 Lygo, B. 4979
 Lynch, J. H. 2023
 Lynch, M. 3916
 Lyons, D. B. 868
 Lyons, R. 2509
 Lyons, S. F. 497
 Lysý, J. 293-294, 1569
 Lyubarski, G. Yu. 1107
 Ma, L. M. 2210
 Ma, M. 1798, 2153, 5124
 Ma, W. W. 4976
 Ma, W. Y. 5901
 Maarouf, A. R. 551, 2247, 5177, 5208
 Maasch, H. J. 4330, 4336, 4344
 Mabus, D. 1877
 Macagno, E. 3451
 McAlpine, J. F. 3418
 McBarron, K. 5161
 McBride, L. A. 3147
 Macbride-Stewart, G. 3913
 McCall, P. J. 3034-3036
 McCarty, T. C. 4381
 McClure, H. E. 4850
 McClure, H. M. 5173
 McClure, P. C. 5439-5440
 McCorkindale, N. J. 794
 McCormack, C. P. 2972, 4495
 McCosker, P. J. 1135-1136
 McCown, J. 5360
 McCown, J. M. 5360
 McCoy, E. D. 3130, 3484
 McCracken, R. J. 5336
 McCue, P. M. 3278
 McDade, J. E. 1216, 2596
 McDanal, C. E., Jr. 3527
 McDaniel, J. T. 3527
 MacDonald, A. B. 1215, 4895
 McDonald, G. 2623
 Macdonald, G. 3022
 McDonald, J. C. 1216
 Macdonald, S. R. 282
 Macdonald, T. L. 4571
 Macdonald, W. B. G. 3245
 McDonough, K. A. 1344
 McDonough, L. M. 4006
 McDougall, G. E. 1725-1726
 McDougall, K. W. 1660
 McE. Kevan, D. K. 3232
 McElligott, P. E. 959
 McEnroe, W. D. 5304, 5850-5851, 5929
 McEvey, S. F. 3078
 McEwen, S. A. 1210
 McFarlane, C. 1953
 McFarlane, J. E. 1953, 3146
 McFarlane, N. R. 4110
 McGarry, J. W. 3830
 McGarvey, B. D. 4081
 McGinley, R. J. 1510
 McGivney, R. 1212
 McGovern, T. P. 85, 2262
 McGowan, M. J. 3357
 McGregor, I. 1695
 McGregor, P. K. 2569
 McGregor, W. 303
 McGuire, J. U. 1237
 McGuire, T. 1571, 3855
 Machado, J. 4018
 Machado-Allison, C. E. 5592
 Machin, J. 1742
 Machin, M. V. 1660
 Machiya, K. 2335
 McHugh, C. P. 2286, 3558
 McHugh, S. M. 1159
 Macias Betancourt, J. 3381
 Maciejewska, J. 1352
 Maciejewski, W. 2063
 McIntosh, A. H. 2668
 McIntosh, B. M. 730
 McIntyre, F. L. 1489
 McIver, S. B. 448, 959
 MacIvor, K. M. de F. 5832
 Mack, H. 4505
 Mack, T. P. 1747
 Mackay, D. 2086
 MacKay, E. E. 1950
 Mackay, M. E. 3651
 McKay, R. J. 2163
 MacKay, W. P. 1119, 1950, 2462
 McKee, L. J. 5014

- cKeen, W. D. 3827
 cKellar, S. B. 3035
 cKenna, R. V. 669
 cKienstedt, U. 3187
 cKenzie, C. 5701
 cKenzie, C. D. 4941
 cKenzie, J. A. 225, 3666, 3685
 cKenzie, J. S. 1627, 1822
 cKillup, S. C. 3233
 cKinnon, C. N. 2347
 cKinnon, M. J. 2514
 cLachlan, A. 1100, 3717
 cLachlan, A. J. 1099
 cLain, D. K. 1395, 1825-1826
 cLaren, D. J. 4931
 cLaughlin, J. C. 2624
 cLaughlin, J. L. 4976
 cLaughlin, R. E. 80-81, 934, 965, 2284, 3077, 3609, 5541
 cLean, A. 3468
 cLean, J. D. 1216
 cLean, R. G. 1186
 cLennan, P. D. 597
 cLeod, C. 1190
 cLeod, C. L. 2573
 cLeod, C. L. 2573
 cLeod, L. J. 4731
 cMahon-Pratt, D. 4936
 cManus, J. M. 1016, 1044, 1443
 cManus, M. L. 466
 cMcMillan, D. L. 3218
 cMullin, P. F. 582, 2410
 cMurdy, M. A. 4594
 cNeil, J. J. 3283
 cNelly, J. R. 2337
 cPhee, J. E. 809
 cPherson, J. E. 4148
 cRae, I. C. 5024
 cRobert, S. P. 1301
 cRory, R. 3427
 cShaffrey, D. G. 1717-1718
 cSharry, C. 2012
 cSwain, J. L. 1534, 1960
 cVicker, J. A. K. 5643
 cWherter, G. R. 1573
 cWilliam, A. S. 5868
 ada, A. 3561
 adanlar, N. 3358
 addison, P. A. 4753
 addrell, S. H. P. 490
 adeira, M. C. Antunes- 3366
 adeira, V. M. C. 830, 3366
 adelon, M. C. 5906
 adhavan, K. 4226
 adhavan, M. M. 4226
 adhavi, R. 637
 adin, A. 4979
 adonna, M. 5754
 adrigal C., A. 4109
 adriz, L. 5748
 adsen, M. 1474
 adubunyi, L. C. 1049, 5690
 aeda, M. 3714
 aeda, Y. 2536
 aes, J. M. 1521, 2430, 3332
 agallona, E. D. 5008
 agarò, M. 2616
 agazanik, L. G. 1072
 agazanik, S. S. 353
 agdoub, M. N. I. 3394
 agnarelli, L. A. 3255, 4900, 4920, 5286, 5383, 5387
 agnus, E. 1051
 aguire, T. 3242
 ahanta, P. N. 3180
 ahillon, J. 790, 1231, 3950
 ahmood, S. H. 4818
 ahmud, S. A. 2894
 aier, W. 2014
 aier, W. A. 3610
 ain, A. J. 1541-1542, 1565, 2593, 3158-3159
 aina, J. N. 4800
 aiorella, B. 3942
 aiorov, A. I. 1167
 aiorov, V. N. 1177
 aitra, S. B. 5058
 aitra, S. C. 5159-5160
 Maitre, A. le 5791
 Majer, J. 3044
 Majer, J. D. 3739
 Majewska, A. C. 368
 Majewski, M. S. 5026
 Majhi, B. 824
 Majiwa, P. A. O. 4693
 Majori, G. 1021, 4156, 5623, 5632-5633, 5655
 Majumder, S. K. 2762
 Majura, P. 1006
 Majzlan, O. 258
 Mak, J. W. 5391
 Makarchenko, E. A. 5766
 Makarchyk, P. E. 1638
 Makarova, V. A. 5917
 Makhaeva, G. F. 4710
 Makni, N. 4672
 Maksimov, V. N. 900
 Maksimović, M. 2102
 Makumyaviri, A. M. 566
 Malan, J. M. 2843
 Malan, L. 5835
 Malarkey, D. J. 1392
 Malawista, S. E. 5811
 Malbon, C. C. 5933
 Malcolm, C. A. 1828
 Malczewski, A. 1589, 1604
 Maldonado, Y. A. 5161
 Malécot, C. O. 3507
 Malhotra, D. V. 4811
 Malhotra, P. R. 542, 2980-2981
 Malik, J. K. 5010, 5431
 Malik, R. 1526
 Malinowski, H. 1258, 1462-1463
 Mal'kov, O. S. 2079
 Mallah, N. M. A. 3745
 Malavia, L. P. 2623
 Mallet, J. 5438
 Mallett, J. 2721
 Malling, H. J. 3309
 Mallo, O. 694
 Malmqvist, B. 465
 Malo, E. A. 4584
 Maloney, F. A. 4633
 Maloney, R. 4309
 Malonga, J. R. 1046
 Maloo, S. H. 4692
 Maloy, W. L. 2336
 Malunjar, A. S. 5355
 Mamaev, N. Kh. 1913
 Mammen, C. 5770
 Mammino, S. 75
 Mancini, L. 5619, 5628
 Mandelco, L. 2698
 Mandel'shtam, Yu. E. 2130
 Manderson, L. 5145
 Mandeville, D. 4616
 Mandeville, J. D. 3827, 4704
 Mandial, R. K. 774
 Mandiangu, M. 200
 Mandl, C. W. 4378
 Mane, U. H. 4016
 Maneeroj, R. 5109
 Manet, G. 3638, 3902
 Manfredi, M. T. 5751
 Mangan, R. L. 1485, 3073, 3670, 4728, 5234
 Mangia, V. C. 1952
 Mangin, P. 5466
 Mangla, M. 4873
 Mangold, A. J. 1200, 3177
 Manguin, S. 3712, 3716
 Mani, T. R. 1003
 Manilla, G. 1976, 3531, 3804-3805
 Maniloff, J. 2698
 Manly, C. J. 5420
 Mann, N. H. 4482
 Manning, M. K. 5149
 Mano, K. 5259
 Manouchetri, A. V. 91
 Manson, P. 1300
 Mansour, M. Y. 218
 Mansour, N. S. 3002
 Mansuelle, P. 3863
 Mansueto, S. 1355, 2059, 2061, 2484, 2613-2615, 4416-4418, 4444
 Manurung, J. 4845
 Manyasi, G. K. D. 3799
 Mao, J. le 3205, 4353
 Mao, S. P. 1645
 Maradufu, A. 3816
 Maragno, M. 5751
 Marais, L. 5848
 Maramorosch, K. 1401, 2660, 2819
 Marano, F. 4017, 5773
 Marassa, A. M. 5463
 Marazany, T. 2942
 Marchais, R. 2974
 Marchand, B. 4362
 Marchand, J. C. 1511
 Marchand, R. P. 945
 Marché, G. 3896
 Marchot, P. 4813
 Marcos, R. 1680
 Marcotte, M. 499, 3546
 Marcus, W. L. 856
 Marcuzzi, G. 2428
 Marcy, A. I. 2674
 Marec, F. 1668
 Marei, A. S. M. 4041-4043
 Marek, W. J. 5486
 Margalit, J. 3575
 Margolius, K. A. 361
 Margulies, L. 2809
 Maria, M. de 5492
 Mariage, L. 5308
 Mariappan, T. 4664
 Marie, R. L. S. 5040
 Marijani, J. H. 954
 Marin A., M. 36
 Marini, F. 4368
 Marinkelle, C. J. 2195
 Mariño-Pedraza, E. 5073
 Marinotti, O. 4709
 Marinovich, M. 3368
 Markl, J. 1172, 1611
 Marks, E. N. 4093-4100, 4521, 5135
 Marks, E. P. 3470
 Marks, T. S. 3994
 Marks, V. J. 329
 Markvart, K. 5920
 Markwick, N. P. 3056
 Marler, C. E. 5148
 Marner, J. A. M. 5064
 Marneros, A. 19
 Maroli, M. 1021, 3013, 5193, 5643, 5653-5655
 Marone, P. 4437
 Marotta, E. 3144
 Marques, E. G. P. 5433
 Marquet, P. 2856
 Marquetti, M. C. 5593
 Marquez, E. 3920, 4432
 Marquez, F. J. 3174
 Marqueze, B. 5272
 Marquine, M. 2976
 Marrie, T. J. 3265
 Marriott, D. R. 2569
 Marsch, P. M. 180
 Marsden, P. D. 557, 3281, 3287
 Marshall, I. D. 742, 4411
 Marshall, J. J. A. 5895
 Marshall, N. A. 4586
 Marshall, S. A. 3080, 5258
 Marshall, V. G. 2006
 Martelli, P. 4842
 Marten, G. G. 2960
 Martin, C. 121
 Martin, F. Simon- 5825
 Martin, J. L. 3314, 5477
 Martin, O. P. 5607
 Martin, R. 2054
 Martin, R. J. 1734, 2888, 3501
 Martin, S. 3769
 Martin, S. J. 3770
 Martin, T. E. 4736
 Martin, V. Ramajo- 5825
 Martin-Eauclaire, M. F. 2032
 Martin Novo, M. 1853
 Martin-Piera, F. 599, 4751
 Martineau, G. P. 2539
 Martinevskii, I. L. 1781
 Martinez, C. C. 4819
 Martínez, E. 334
 Martinez, I. Ruiz- 3066
 Martinez, L. 944
 Martinez, R. 5113
 Martinez, V. M. 94
 Martinez García, M. del C. 2572
 Martinez-Gomez, F. 2468, 5459
 Martínez M., A. C. 5252
 Martínez-Ortega, E. 5645, 5649-5650
 Martini, M. 1912
 Martins, J. C. 1616
 Martins, J. R. S. 2477
 Martorell, X. 468
 Martsolf, J. T. 831
 Marty, P. 1219
 Martyn, C. N. 661
 Martyn, K. P. 4796
 Martynov, I. V. 4710
 Marucci, D. 74, 5601
 Marumo, S. 5951
 Maruta, K. 5229
 Marx, D. 2571
 Marx, J. J., Jr. 1163
 Marx, R. 3911
 Marzari, R. 2688
 Marzini, M. 1893
 Marzouk, A. S. 1541-1542, 1971, 3158, 4798
 Masalkina, T. M. 1841
 Maschat, F. 455
 Mashkei, I. A. 3668
 Masinya, A. 4628
 Mašlej, J. Kopczyńska- 1753-1754
 Mason, D. J. 2114
 Mason, J. 90
 Mason, J. R. 3828
 Mason, P. W. 4414
 Masser, M. P. 278
 Massey, D. G. 3199
 Massey, G. Fournier- 3199
 Masson, C. 3460, 4542
 Masson, L. 788, 5937
 Masson, N. 5348
 Masuda, H. 1768, 5087
 Masui, A. 3992
 Masumoto, K. 4253
 Masutani, H. 5959
 Matanmi, B. A. 938
 Matevsky, S. 2469
 Matewale, P. 1235
 Matha, V. 5615
 Mathea, K. 1335
 Mathelin, J. 1125
 Mather, M. E. 5296
 Mather, T. N. 668, 3184, 4291, 5296
 Mathews, K. P. 3306
 Mathiot, C. C. 1548, 3561
 Mathis, W. N. 4746
 Mathur, P. D. 3150
 Matile, H. 2216, 2225
 Matioli, J. C. 1713
 Matola, Y. G. 4461
 Matolcsy, G. 5950
 Matricardi, P. M. 5394
 Matsubara, T. 1515
 Matsuda, K. 5957
 Matsuda, T. 1252, 3472, 4062
 Matsui, K. 312
 Matsui, T. 1646, 3926
 Matsumoto, S. 1804
 Matsumoto, T. 4956-4957
 Matsumura, F. 1797, 5613, 5961
 Matsumura, T. 1376-1377
 Matsuno, M. 2423
 Matsuo, N. 2756
 Matsuo, H. 1089
 Matsushima, Y. 1233
 Matsushita, K. 986, 5081
 Matsushita, T. 954
 Matsuura, Y. 1225
 Matsuyama, K. 5233
 Matsuzawa, T. 1234
 Matta, J. Torres-da 130
 Mattacks, C. A. 785

- Matthes, H. F. 1606, 1610, 4830, 4841
 Matthews, B. R. 4816
 Matthews, J. R. 4757
 Matthews, T. C. 3570
 Matthiesen, F. A. 3866, 5889
 Matthiessen, J. N. 219
 Mattingly, P. F. 163
 Matton, P. 1137, 3919
 Matturi, A. S. 3035
 Matumoto, M. 2343
 Matusall, R. Bohne- 2730
 Matuschka, F. R. 4802, 5288
 Matveev, M. V. 3954, 5941
 Matveev, V. F. 4819
 Matyukhina, L. V. 356
 Matz, G. 1737
 Mauchamp, B. 4570
 Maucher, O. 3121
 Maudlin, I. 1878, 2374
 Maule, A. 3994
 Maunder, J. 40
 Maunder, J. W. 1165, 2905
 Maupin, G. O. 1204, 5095
 Maurice, Y. 2629
 Mavale, M. S. 2944
 Mavragani-Tsipidou, P. 236
 Mavromoustakis, G. A. 3113
 Maxwell, C. A. 4967
 May, C. 5385
 May-Siroff, M. 2671
 Mayasundari, R. 2884
 Mayes, M. E. 5936
 Mays, C. E. 369
 Maywald, G. F. 1066, 5806
 Mazák, V. 5920
 Mazas, M. E. Ares- 5489-5491
 Mazokhin-Porshnyakov, G. A. 614, 1107, 2438
 Mazurkiewicz, M. 1757
 Mazzari B., H. 4058
 Mazzarri de Lauschner, M. 4058
 Mazzini, M. 4139
 Mazzini, M. A. 5518
 Mazzone, H. M. 2736
 Mazzullo, M. 834, 2098
 Mbassa, G. K. 2409
 Mead, S. S. 128
 Meade, R. J. 3534, 4580
 Mebrahtu, Y. 3294
 Mecham, J. O. 1424, 5181
 Medh, J. D. 5345
 Medina, J. 4070
 Medleau, L. 5400
 Medveczky, I. 570
 Medvedev, G. S. 2822
 Medvedev, S. G. 64, 2206
 Meegan, J. M. 748
 Meek, A. D. J. 4410
 Meek, C. L. 135, 896, 2269, 4612
 Meer, R. K. vander 630, 632, 3128, 3140, 3776, 4758, 4774
 Meeus, T. de 3874
 Meeussen, J. 2323
 Meffert, L. M. 5712
 Meggio, A. 3682
 Megharaj, M. 4020
 Mehdi, N. S. 1400, 5617, 5659-5660
 Mehendale, H. M. 4030
 Mehl, R. 3623, 5590
 Mehlhorn, H. 3187, 4869
 Mehlitz, D. 4687
 Mehlman, M. A. 856
 Mehrotra, B. D. 4029
 Mehrotra, S. 2779
 Mehta, H. K. 5335
 Mehta, N. S. 3224
 Meier-Davis, S. 253
 Meillon, B. de 5641
 Meinard, C. 4017
 Meineke, D. 4336, 4344
 Meinertzhagen, I. A. 2381, 3053, 4707
 Meinhardt, W. 4741
 Meinwald, J. 3744
 Meirs, D., Jr. 4925
 Meis, J. F. G. M. 4647
 Meisch, M. 3607
 Meisch, M. V. 2267, 2273, 2307, 4626
 Meiske, J. 3239
 Meisner, J. 3354
 Mekonnen, G. W. 426
 Melani, M. 271
 Melckebeke, H. van 1137, 3919
 Melero, R. 4070
 Meline, G. 3153
 Melkert, P. W. J. 4906
 Mellaert, H. van 3323
 Mellanby, K. 401
 Mello, C. A. de 5739
 Mello, M. L. S. 5741
 Mellor, P. 1185
 Mellor, P. S. 346, 4670, 5179
 Melo, M. A. 3823
 Meloni, M. 4514
 Meloni, S. 5874
 Melzer, R. R. 5104
 Memórias do Instituto Oswaldo Cruz 3434, 3436
 Ménardo, J. L. 4275
 Menchaca, D. M. 5551
 Mendelow, B. 4386
 Mendes, E. G. 5454
 Mendez, E. 3235
 Mendis, C. 5170
 Mendis, K. N. 1850, 2226, 5170
 Meneely, G. A. 4028
 Menendez, H. Rodriguez- 1501
 Menestrina, G. 4484
 Menezes, J. A. de 3010
 Menezes, M. A. C. 2773
 Mengle, D. C. 1274
 Menier, J. J. 2432
 Menkès, C. J. 764, 4420
 Menn, J. J. 412, 3461
 Menser, M. A. 3245
 Mentens, H. 4467
 Mento, C. 2613-2614
 Menzel, I. 2115
 Menzel, R. 2848, 3466
 Meola, R. W. 936
 Meola, S. M. 5723
 Merced Stoka, A. de la 442
 Mercer, D. R. 2315
 Mercier, E. 2050
 Merino, Y. 4737
 Merks, P. F. 3132
 Merrifield, R. B. 3122
 Merritt, D. J. 2393
 Merritt, R. W. 71, 440, 1408, 2302, 2358, 4618
 Merryweather, A. T. 377, 527
 Mertens, H. G. 2054
 Mertvetsova, O. A. 161
 Merulla, R. 1355
 Messaddeq, N. 2998
 Messadi, M. 4913
 Messegue, A. 3520, 4570
 Messner, B. 2149
 Messner, R. P. 4894
 Metcalf, R. L. 1249, 2757, 3980
 Metge, G. 1393
 Methner, M. M. 5979
 Metz, J. A. J. 3481
 Metzker, A. 42
 Meunier, D. M. Y. 5906
 Meuwissen, J. H. E. T. 2246, 4459, 4647
 Mey, E. 5482
 Meyer, E. 1494
 Meyer, F. 1871
 Meyer, J. A. 5698, 5705
 Meyer, R. P. 94, 122, 1818, 2254, 4644, 5127, 5139, 5534
 Meyer, R. W. 21
 Meyer, T. 184
 Meyer, W. R. 2886-2887
 Meyer-Lindenber, A. 4755
 Meyers, L. N. 1600
 Meza B., R. 644
 Mezencio, J. M. S. 4407
 Mezêncio, J. S. 2592
 Mezivetskit, A. Yu. 2079
 Mhaisen, F. T. 3877
 Miadoková, E. 5958
 Miall, S. M. 478
 Mialot, M. 2405
 Mian, L. S. 4621
 Miao, Y. G. 533, 1806
 Micard, D. 881
 Miceli, N. 5655
 Michailova, P. V. 1091
 Michalska, K. 488
 Michel, F. B. 320, 326, 4275
 Michiels, F. 1231
 Midtling, J. E. 1277
 Mihara, M. 1087
 Mihout, B. 4422
 Mijanović, M. 3216
 Mikami, N. 1252, 3472, 4062
 Mikhailov, I. 1152
 Mikhailova, P. 242
 Mikhnovskaya, N. D. 1844
 Milano, S. 2613
 Milazzo, D. P. 4019
 Milby, M. M. 107, 349, 2254, 5139
 Miles, M. A. 3541
 Miljković, B. 486, 672, 921
 Milkova, T. 1254
 Millán, A. 5507
 Millan-Velasco, F. 5382
 Millar, S. E. 2124
 Miller, B. B. 1909
 Miller, B. R. 1409, 5535
 Miller, D. K. 770
 Miller, G. C. 5353
 Miller, J. 2903
 Miller, J. A. 2386, 3819, 4009, 4789
 Miller, J. D. 2530
 Miller, J. J. 1938
 Miller, J. R. 3342
 Miller, L. H. 2217, 2331, 2336, 5388
 Miller, L. K. 2667
 Miller, P. C. H. 2725
 Miller, R. W. 4216, 5224-5225
 Miller, S. 2969
 Miller, T. A. 482, 2827, 2840
 Miller, T. E. 1151
 Miller, T. W. 2787
 Miller, T. W., Jr. 2728
 Millett, A. L. 5664
 Millett, P. 3614
 Milligan, P. J. M. 3014, 4464
 Mills, D. 4614
 Mills, T. A. E. Platts- 1162, 2530, 3302, 4332, 5327
 Milne, D. E. 3054
 Milstrey, E. G. 3106, 3163
 Miltgen, F. 3929
 Milutinović, M. 3627, 3629, 5821
 Mimioglu, M. M. 3554
 Minami, T. 641, 2470
 Minchella, D. J. 4551
 Minenkova, I. B. 2069, 3953
 Mines, H. K. 3780
 Ministry of Culture of the Lithuanian SSR 4085
 Minjas, J. N. 4967
 Mink, F. L. 3392
 Minke, B. 1073, 5726
 Minobe, M. 4063
 Minoli, L. 4437
 Minsker, D. H. 5426
 Minter, D. M. 3012, 3642
 Minter-Goedbloed, E. 3642
 Minton, N. A. 840
 Mironov, S. V. 2018
 Mirzoyan, M. A. 2775
 Mišević, Z. 3627, 3629, 5821
 Misch, D. W. 2160
 Mischke, J. I. 5428
 Mishaw, C. O. 3217
 Mishra, A. C. 2944, 2984
 Mishra, A. K. 1000
 Mishra, S. K. 3342
 Misra, A. K. 2689
 Misra, H. P. 4046
 Misra, J. N. 2982
 Misra, S. C. 3822
 Misra, U. K. 3373, 4044
 Misraulia, K. S. 5335
 Mita, H. 4334, 4346
 Mitchell, C. J. 531, 751, 1371, 1373, 5535
 Mitchell, E. B. 4332
 Mitchell, G. B. B. 651, 1546
 Mitchell, M. J. 5419
 Mitchell, S. 3567
 Mitchell, S. E. 1809, 1812, 2939, 3606
 Mitchell, W. 5721
 Miteva, V. I. 3951
 Mitra, I. 5326
 Mitsudera, H. 1666
 Mitsushashi, J. 2151
 Mittal, P. K. 995, 3563, 3565
 Mittermayer, T. 2499, 4302
 Mittmann, H. W. 4792
 Miura, T. 114, 125, 4383
 Miura, Y. 1852
 Miwa, A. 2555
 Miyagi, I. 985, 1374, 4643, 5122, 5154, 5156, 5568
 Miyamoto, J. 1252, 3472
 Miyamoto, K. 957
 Miyamoto, T. 4337-4338, 4345, 4350, 5259
 Miyay, J. A. 1477, 1788, 3675
 Miyata, T. 4127
 Miyazaki, A. 5951
 Miyazawa, M. 5961
 Miyoshi, K. 5809
 Mizrahi, M. 5161
 Mizunami, M. 3504
 Mizutani, A. 3991
 Mizutani, K. 3026
 Mkrtchyan, A. E. 1687
 Mkufya, A. R. 4461
 Mmbaga, B. B. O. 2055, 3916
 Mocciano, C. 2061, 4444
 Mochida, K. 1280
 Möckl, T. 1146
 Modabber, F. 2641
 Modak, A. 5058
 Modi, G. B. 556, 1431, 1855, 5191
 Modrzejewska, M. 487, 1327, 1751, 1756
 Moe Moe 536
 Moffitt, J. E. 4281
 Mofty, M. M. El- 3543
 Mogi, M. 173, 987, 1374, 2296, 5120, 5122, 5584
 Mogro, G. Terán 3382
 Mohamad, R. B. 1284
 Mohamed, F. S. A. 4798
 Mohamed, O. S. A. 2782, 4055
 Mohanasundaram, M. 4822
 Mohapatra, S. S. S. 5168
 Moher, D. L. Vyszenski- 331, 1605, 2010
 Mohr, E. 1922
 Mohsen, Z. H. 1400, 2327, 4613, 4671, 5106, 5560-5561, 5563, 5617, 5659-5660
 Moitra, S. C. 1790
 Molday, R. S. 4760
 Moli, S. le 5394
 Molina Pardo, A. 4109
 Molineaux, L. 4648
 Molkhou, P. 1511
 Möllgård, I. 3917
 Möller, H. 2562
 Moloo, S. K. 2371
 Molyneux, A. S. 3968
 Molyneux, D. H. 182, 589, 1447, 2072, 2894, 2926, 3014, 3624, 5643
 Momen, H. 3948
 Monath, T. P. 92, 759-761, 872-876, 1409, 5095, 5367
 Moncada, J. 4430
 Moncayo-Medina, A. 2640
 Monco, J. C. Garcia- 3274, 4898
 Mondal, M. M. H. 3851
 Moneret-Vautrin, D. A. 319
 Monfort, J. M. 1282

- onje, C. 2960
 oňko, A. Draber- 1460
 onnat, J. Y. 5823
 onsen, S. E. 127
 onsigny, M. 1651
 ontag, T. 5747
 ontagnes, D. J. S. 3080
 ontalvan, B. 3007-3009
 ontelaro, R. C. 1632
 onteleone, A. 5397
 onteny, N. 4619
 ontero, G. 5591
 ontero, M. T. 3241
 ontes, C. 5507
 ontoreano, R. 5084
 ontoya, M. 547
 ony, L. 3505
 oody, K. D. 1640, 4426, 5923
 oody, R. P. 3338, 5006
 ook, D. H. 958, 2319
 oon, R. 3239
 oon, R. D. 4838, 5869
 oore, A. J. 1316, 2874
 oore, C. G. 92, 96, 952, 1357, 4631, 5526
 oore, D. 4138
 oore, G. 1205
 oore, J. S. 5643
 oore, M. V. 4990
 oore, N. F. 4882
 oore, P. J. 1316
 oore, S. I. 3184
 oore, T. 3913, 4288
 oorer, G. D. 2268
 oorhouse, D. E. 3544
 oraes, F. R. 3152
 oraes, R. H. P. 5463, 5648
 orakote, N. 2991
 orales, A. 1018, 3003, 4673, 5199
 orales, A. I. 4376
 orales-Malacara, J. B. 5323
 orales Soto, G. 4109
 orand, P. 3419
 oreau, A. 5873
 oreira, C. J. de C. 2192
 oreira, D. de P. 2379
 oreira Rocha, R. 2193
 orel, L. 630
 orel, P. C. 857, 5833
 oreland, A. F. 2570
 orelli, J. J. 4074
 oreño Altamirano, L. 2572
 oreño-Montanez, T. 2468
 orera, P. 5086
 oresi, C. L. 5590
 organ, C. 4134
 organ, C. P. 3987
 organ, E. D. 624, 1661, 2085, 3131, 3345, 3493
 organ, P. B. 1457
 organ, P. R. 4967
 organ, W. T. 2358
 organ-Capner, P. 662
 ori, A. 5134
 ori, K. 3344, 4002, 4571
 ori, T. 5282
 oriello, K. A. 4594
 orier, L. 3892, 4375
 orii, T. 1017, 1646, 3926
 orikawa, T. 5273
 orin, A. 3634
 orita, K. 710
 orita, Y. 793
 oritz, M. 2557
 orley, R. S. 3924, 3989
 oron, M. A. 1924
 orozova, T. N. 1010
 orozumi, S. 323
 orrill, J. C. 2619, 3912
 orris, B. 3120
 orris, C. 5173
 orris, C. D. 98, 734, 960, 963, 1391, 1407, 4630
 orris, T. A. 5291
 orrison, H. G. 2584, 2590-2591
 orrison, W. I. 3787
 orrow, A. N. 650, 812
 orrow, B. J. 4489
 Morse, R. A. 2439
 Morsy, G. H. 1603
 Morsy, M. A. A. 5553
 Mortenson, E. W. 446
 Morton, D. W. 1309
 Morton, G. O. 4501
 Morton, I. E. 1020, 3004, 3021
 Morton, R. A. 1658
 Morzaria, S. P. 776, 1956, 2645, 3793, 4933
 Mosbech, H. 2454
 Moschini, G. 691
 Mosconi, P. B. 3523-3524
 Moser, D. R. 4587
 Mosha, F. W. 5562
 Mosha, R. D. 4054
 Moskowitz, H. 5039
 Moss, C. W. 2610
 Moss, J. I. 482
 Moss, S. R. 2598, 4396, 4398
 Mossman, D. J. 4073
 Moster, B. 4015
 Motara, M. A. 5598
 Motobayashi, T. 793
 Motoyama, N. 1321
 Mottram, P. 993, 2953
 Moubayed, Z. 1496
 Mouches, C. 2255
 Mouchet, J. 515, 2989, 4156, 5194, 5600, 5605
 Moulias, R. 264, 271
 Moulton, J. R. 2489, 5290
 Mound, L. A. 862
 Mount, G. A. 1972, 5291, 5299-5300
 Mourão, C. A. 3720
 Mourya, D. T. 2944, 2984
 Mousa, S. 4296
 Moussa, A. 3905
 Moussa, M. I. 3159
 Moustafa, F. I. 2758
 Mpofu, S. M. 946
 Mráček, Z. 2073
 Mrozik, H. 2092, 3351, 5883
 Mshar, P. A. 3255
 Muan, B. 4023
 Muccio, A. di 816, 2790, 4513
 Mudd, A. 5587
 Mueller, A. 4499
 Mugutu, S. 1448
 Muhammad, G. 1584
 Muhammed Iqbal 75
 Mühlbauer, G. 24
 Muhlemann, M. F. 1193
 Muigai, R. 3294
 Muir, D. A. 4648
 Muirhead-Thomson, R. C. 1061
 Mukerji, R. 3517
 Mukhebi, A. W. 3793
 Mukherjee, A. 3499
 Mukhopadhyay, A. K. 559, 4200
 Mukiyama, T. K. 937, 5141, 5618
 Muksimov, F. A. 4763
 Mulcahy, R. 1165
 Muley, D. V. 4016
 Mulla, M. S. 82, 86, 115, 131, 938, 961, 1831, 2281, 2341, 2963, 3592, 4621, 5116, 5538
 Mullarkey, K. 222
 Mullen, G. R. 1552, 2994
 Mullens, B. A. 1427, 2995-2996, 3656, 4704, 5705
 Muller, C. A. 2192
 Müller, H. E. 1217
 Müller, H. G. 3227
 Müller, J. K. 249, 3749
 Muller, M. T. 1529, 2501
 Müller, P. 2387, 5694, 5700
 Muller, R. 5224
 Muller, S. L. 1830
 Müller, T. 3536
 Müller, U. 2455
 Mullick, S. G. 5374
 Mulligan, F. S., III 4625
 Mullin, M. D. 5025
 Mullins, B. A. 3827
 Mullins, D. E. 5063
 Mulrennan, J. A., Jr. 5547
 Mulrennen, J. A., Jr. 93
 Mulumba, M. P. 2946
 Mumcuoglu, K. Y. 1332, 1624, 2903
 Mumcuoglu, Y. K. 1334, 2537
 Mummigatti, S. G. 3947
 Mumo, J. 640
 Munasingha, N. B. 1814-1815
 Munasinghe, Y. D. 2226
 Münchhoff, P. 2634
 Munderloh, U. G. 1401, 1966, 2707
 Muneem, M. A. 2750
 Mungomba, L. M. 589
 Munir, M. A. 3290
 Munns, W. R., Jr. 5091
 Munoz, B. 2055, 3916
 Munoz, B. E. 5207
 Muñoz Hernández, O. 2572
 Munro, A. 4554
 Munro, A. L. S. 5348
 Munsee, J. R. 275
 Munstermann, L. E. 2316, 5533
 Münzinger, A. 4994
 Murakami, G. 2423
 Muraleedharan, K. 2392
 Muralidhara 3372
 Murao, S. 5412-5413
 Murayati, Y. A. H. Al- 5107
 Murdock, L. L. 4121
 Murgu, R. 468
 Murhammer, D. W. 3943
 Murkin, H. R. 13
 Muroga, K. 3871
 Murphy, D. P. 3645
 Murphy, F. A. 4888
 Murphy, M. 3551
 Murphy, M. J. 2433
 Murphy, S. D. 3415
 Murray, A. W. A. 1887
 Murray, J. R. 5902
 Murray, M. 2371
 Murray, R. A. 107
 Murray, V. S. G. 840
 Murray, W. D. 111
 Mursic, V. Preac- 2063, 2611
 Murthy, C. K. 5891
 Murthy, G. V. K. 2392
 Murthy, K. R. K. 5345
 Murthy, V. S. S. 2392
 Murtuza, M. D. 3810
 Muruzeta, A. 1149
 Murzin, S. V. 2324
 Musa, M. T. 584
 Musalek, M. 2166
 Muscio, O. A. 2675
 Musk, A. W. 4832
 Muška, M. 3662
 Musnier, L. 5255
 Mussalo-Rauhamaa, H. 1691
 Mustafa, M. B. 1869
 Mustafina, A. N. 2582
 Mustaparta, H. 4542
 Musyoki, R. 4659
 Musyoki, R. M. 3279
 Mutafova, T. 2469
 Mutani, A. 4809
 Mutero, C. M. 1399, 2333, 4659
 Muthukrishnan, J. 1120
 Mutinga, M. J. 1445, 2333, 4659, 5187
 Mutugi, J. J. 640
 Muynck, A. de 4467, 4523
 Mwangi, R. W. 937, 1869, 5141, 5618
 Mwase, E. T. 642, 4291
 Myamba, J. 5562
 Myat Myat Thu 536-537, 5576
 Myers, C. M. 1186
 Myint Myint Sein 5576
 Myo Paing 536-537
 Myohara, M. 1905
 Myrick, B. A. 5911
 Mysorekar, S. V. 4980
 Nabli, B. 4913
 Nachman, R. J. 3458
 Nadeina, V. P. 1783
 Nadire-Galliot, M. 515
 Nadkarni, N. 899
 Nadler, S. A. 2897
 Naem, S. 3572
 Nafstad, I. 4023
 Nag, D. 3373
 Nagakura, K. 1484
 Nagakura, T. 2528
 Nagaraja Rao, P. 1838
 Nagardeolekar, M. 3169
 Nagasampagi, B. A. 2731
 Nagata, K. 4127
 Nägele, U. M. 4503
 Nagem, R. L. 5506
 Naggan, L. 3251
 Nagl, W. 5069
 Nagpal, B. N. 541
 Nagy, K. 2031
 Nahlen, B. L. 5161
 Naik, P. 5146
 Naim, H. 3245
 Naim, H. M. 1630, 5911, 5913
 Naim, H. Y. 4403
 Naito, H. 5725
 Nakagawa, A. 2446
 Nakajima, H. 1642
 Nakajima, T. 2555
 Nakajima, Y. 5233
 Nakamara, K. 390
 Nakamura, K. 312, 2695, 4337
 Nakamura, M. 956, 5151, 5157
 Nakamura, S. 2446
 Nakamura, T. 1280, 5951
 Nakamura, Y. 2470
 Nakane, M. 4783
 Nakanishi, K. 5330
 Nakanishi, Y. 1482
 Nakano, Y. 4347, 5331
 Nakao, H. 5331
 Nakao, T. 3529
 Nakatsugawa, T. 5975
 Nakatsukasa, A. 5809
 Nakayama, A. 410
 Nakayama, Y. 5285
 Nakazawa, A. 383
 Nalbach, G. 1477
 Nalepa, C. A. 2892
 Nalim, S. 4623
 Namhata, D. 3499
 Nanayakkara, M. V. 2226
 Nance, E. 5589
 Nandeesha, M. C. 5891
 Nandi, B. C. 4231
 Nannelli, R. 3842
 Nansen, P. 202
 Naoki, H. 409
 Nappi, A. J. 3478
 Naqvi, S. M. 1678
 Naqvi, S. N. H. 4784
 Narahashi, T. 4999
 Narang, S. K. 942, 1812, 1821, 2270, 2272, 3443, 3560, 3568, 5527, 5548
 Narara, A. 1004
 Narayan, K. G. 347
 Nardelli, L. 1134
 Nardin, E. H. 4653
 Nardon, P. 3477
 Nargiso, L. V. 5752
 Nari, A. 2491
 Nartshuk, E. P. 590
 Narveson, R. S. 1274
 Nasci, R. S. 1397, 2282, 4637, 5131
 Nascimento Ferraz Filho, A. 2193
 Nash, D. 3247
 Nasisse, M. P. 1196
 Nason, D. M. 1613-1614
 Nasr, A. K. 4312
 Nasr-Schirf, D. 2936
 Nässel, D. R. 1065
 Natal, D. 74, 5601, 5603
 Nath, B. B. 2934
 Nath, D. R. 2982, 4683
 Nathanson, N. 5894
 Nathwani, D. 663

- Natochin, Yu. V. 5766
 Natori, S. 1077, 1481-1482, 1900, 1910, 5233
 Natuhara, Y. 5332
 Naumann, I. D. 4108
 Naumann, K. 405
 Naumov, R. L. 2051
 Nauriyal, D. C. 3180
 Navarrete, I. 5459
 Navarro, J. C. 5592
 Navephap, S. 3212
 Naves, H. A. M. 5594
 Navolokin, O. V. 356
 Nawa, M. 5909
 Nawar, M. S. 4310-4311
 Nawrocki, S. J. 975
 Nayar, J. K. 120, 2314, 2329, 3550, 4646, 5612
 Nazari, M. 91
 Nazarov, V. G. 504
 Nchako Njikam, J. 5493
 Ndiaye, A. Gueye- 4362
 Ndom, C. B. 3576
 Nebeker, A. V. 2760
 Nedelchev, N. 3847, 5732
 Nedergaard, S. T. 3914
 Nedyalkov, Yu. A. 5917
 Needham, G. R. 1529, 2501, 5297
 Needham, L. L. 5432, 5439-5440
 Neems, R. 3717
 Neff, J. C. 4919
 Négrel, A. D. 3918
 Negromonte, M. R. S. 5506
 Neidhardt, K. 3163
 Neitman, K. 277
 Neitz, A. W. H. 3826, 5838-5839
 Nekrasova, L. S. 162
 Nelms, M. 99
 Nelson, B. C. 1205
 Nelson, C. N. 3988
 Nelson, G. S. 880, 1860, 4880
 Nelson, J. 616
 Nelson, J. H. 1205, 1380
 Nelson, J. M. 3658
 Nelson, R. E. 1500
 Nemtsov, Yu. V. 3556
 Nentwig, W. 3223
 Neogi, S. G. 2981
 Neronov, V. M. 181, 5198
 Nesaule, V. M. 2581
 Nesbitt, J. Noble- 3511, 3513, 4781
 Nesbitt, S. A. T. 5214, 5218
 Nessel, R. J. 5018, 5435, 5437
 Neste, D. J. J. van 1599
 Neste, D. van 2539
 Neste, E. van 5438
 Nesterenko, V. G. 5917
 Neto, H. V. S. 5505
 Neto, S. Silveira 1713
 Netrawali, M. S. 2093
 Netta, J. di 5028
 Nettles, V. F. 5190-5191
 Netyksa, E. M. 392, 4946
 Neuchrist, C. 2533
 Neuman, I. 3301
 Neves, D. P. 1452
 New Scientist 3612
 Newberry, K. 924
 Newcomb, K. M. 4966
 Newman, C. M. 3490, 4552
 Newman Taylor, A. J. 4832
 Newson, H. D. 106
 Newson, R. M. 639
 Newton, I. 2793
 Ng, M. L. 4406
 Ngethe, S. 1990
 Ngimbi, N. P. 2946
 Ngowiwachai, A. 3391
 Nguen Tang Am 711
 Nguyen, H. 84
 Nguyen-Phung, T. 1101
 Nhachi, C. F. B. 3378
 Ni, C. Z. 1653
 Nichol, S. T. 3006
 Nicholas, F. W. 2514
 Nicholas, N. R. 4354
 Nichols, S. 5199
 Nichols, S. W. 5032
 Nicholson, W. L. 3256
 Nickerson, J. C. 3142
 Nicolas, G. 3469
 Nicolas, J. P. 319
 Nicolescu, G. 508
 Nicoud, M. Robert- 1090
 Nie, W. Q. 5075-5076
 Niebyski, M. L. 135, 896
 Niedbafa, W. 316
 Nielsen, B. O. 202, 207, 209, 1358
 Nielsen, D. W. 3488
 Nielsen, J. N. 669
 Nielsen, L. T. 2841, 5532
 Nielsen, S. A. 202, 207, 209, 1358
 Niemann, A. Savel- 1172, 1615
 Nieser, N. 5507
 Nietzsche, J. A. 3348, 4501
 Nieuwenhuizen, M. S. 2799
 Nieves, E. 4675
 Nigg, H. N. 5019
 Nigrin, Z. 5787
 Nihad, W. 4597
 Nikitina, E. N. 5351
 Niklasson, B. 753, 4639, 5123, 5357
 Nikolaev, V. P. 5899
 Nikol'skit, V. V. 2517
 Nikulina, N. A. 1525, 4290
 Nili, E. 1635
 Nilsberg, A. 4821
 Nilssen, A. C. 2411
 Nilsson, A. N. 250, 2431, 2436
 Nimmannitya, S. 3887
 Nims, L. 1205
 Nin, G. H. Vazquez- 4736
 Ning, C. X. 5143
 Nipanay, P. C. 4993
 Nisafi, A. 5747
 Nisalak, A. 509, 3887-3888
 Nisbet, A. 4331
 Nishida, K. 5696
 Nishijima, Y. 5669, 5686
 Nishikimi, Y. 1665
 Nishimoto, N. 3990
 Nishimura, K. 4003, 4013, 5715, 5954, 5956-5957, 5959
 Nishina, A. 312
 Nishina, M. 986, 5081
 Nishino, C. 3521
 Nishioka, R. 390
 Nisini, R. 5394
 Nix, C. E. 2722, 3983
 Nizeyimana, B. 5614
 Njau, B. C. 4809-4810
 Njau, R. J. A. 5562
 Njikam, J. N. 5493
 Njogu, A. R. 1448
 Njunwa, K. J. 4156
 Noble, W. C. 4941
 Noble-Nesbitt, J. 3511, 3513, 4781
 Noda, N. 5325
 Noda, R. 2545
 Noda, S. 1345
 Noda, S. I. 1433
 Noh, J. W. 1132, 4152, 4320
 Nohara, S. 826
 Noireau, F. 1043, 1046, 5210
 Nojima, K. 3521
 Nokoe, S. 4800
 Nolan, J. 3790
 Nolla-Salas, J. 3893
 Nonchev, S. G. 1091
 Nooruddin, M. 2544, 3180
 Norbeck, B. A. 5064
 Nordin, J. H. 908-909, 5470
 Nordvall, S. L. 4282, 5866
 Nores, G. A. 5241
 Noriega, F. G. 2915
 Noronha, C. V. 5192
 Norrbom, A. L. 5258
 Norris, D. M. 1315
 Norris, K. R. 3304
 Norris, L. 887
 Norstrom, R. J. 2802
 Norton, M. J. T. 2080
 Norton, R. A. 2006, 3198
 Norval, A. 657, 2496
 Norval, R. A. I. 667, 1545, 4804, 4807, 5313, 5808, 5829
 Nöthlich, R. 5472
 Notman, P. 5421
 Novaes, A. P. de 2379
 Novak, F. 259
 Novak, M. 901
 Novak, R. J. 2950, 5528
 Novikov, Yu. M. 2325
 Novotná, L. 1426, 5637
 Nowell, F. 894
 Nowell, W. R. 1297
 Noyes, J. S. 3428-3429, 3756
 Numerov, A. D. 5907
 Nummelin, M. 4590
 Nunamaker, R. A. 1424, 3764, 5181
 Nunes, M. Vaz 5238, 5242
 Núñez, J. A. 1774, 2908-2909
 Nunn, A. J. 4832
 Nuorteva, P. 3743
 Nusbaum, K. E. 2994
 Nushin, M. K. 136
 Nussenzweig, R. S. 1793, 4653
 Nüsslein-Volhard, C. 4530
 Nuttall, P. A. 1130, 1628, 2588, 2598, 3175, 3811, 4396, 4398
 Nyandat, E. 3154
 Nyeko, J. H. P. 2370, 3052
 Nyffeler, M. 701
 Nyindo, M. 3160, 4809
 Nzoulani, A. 5210
 Oakeshott, J. G. 5403
 Oaks, E. V. 2626
 Oba, M. S. P. 5815
 Obarrio, H. J. A. 5518
 Obasi, E. O. 4358
 Obenchain, F. A. 3154
 Oberem, P. T. 3826
 Obiamiwe, B. A. 933, 3882
 Obiekezie, A. I. 2562
 Obin, M. S. 632, 3128, 5275
 Obreschkowa, E. 4510
 O'Brien, A. E. 3250
 Ocaña, M. T. Gutierrez- 828, 5973
 Occhino, C. 2059
 Ochanda, H. 640
 Ochieng, P. 3906
 Ochoa A., J. O. 1025
 O'Connor, J. D. 461
 O'Connor, J. P. 4746
 Oda, G. 1228
 Odago, W. O. 4628, 5530
 Odell, G. V. 5342-5343
 Odhiambo, T. R. 3643
 O'Doherty, G. O. P. 4722
 O'Donnell, J. 3119
 Oduor, S. 4628
 Oeda, K. 390
 Oehler, D. D. 4009, 4789
 Oei, C. 5942
 Oertli, J. J. 3093
 O'Farrell, T. P. 3278
 Ogata, N. 4999
 Ogata, T. 4383
 Ogawa, K. I. 3605
 Ogden, D. A. 708
 Ogden, L. 3750
 Oh, S. H. 5864
 O'Hara, J. E. 3713, 4714
 Ohashi, M. 312
 Ohashi, N. 367, 2608
 Ohba, K. 3991
 Ohba, M. 3316, 3322
 Ohba, S. 2545
 O'Hehir, R. 4333
 O'Hehir, R. E. 3206, 4833
 Ohkawa, H. 390
 Ohkubo, Y. 5761
 Ohmori, D. 4640
 Ohmori, I. 5940
 Ohno, M. 244-245, 312
 Ohno, N. 2756
 Ohnuki, N. 312
 Ohoka, M. 5715
 Ohrberg, C. L. 1443
 Ohsaka, A. 986, 5081
 Ohta, H. 1255
 Ohta, M. 2608
 Ohtaki, T. 1899
 Ohtomo, H. 5325
 Ohtsuka, T. 3991
 Ohyama, A. 140
 Okada, M. 1077
 Okada, T. 1917, 2423
 Okamoto, K. 5080
 Okamoto, M. 5940
 Okamura, N. 5065
 Okazawa, T. 2296, 5117, 5153
 Okedi, J. 471
 Okoth, J. O. 567
 Oksanen, A. 3846
 Okubagzhi, G. S. 5925
 Okuda, K. Kadono- 823
 Okuda, T. 1970
 Okudaira, H. 4337, 4345, 4350
 Okuma, C. 2548-2549
 Olajos, E. J. 856
 Olaleye, O. D. 5372
 Olando, J. 1877
 Oldewage, A. Avenant- 3873
 Oldruitenborgh-Oosterbaan, M. M. S. van 2412, 2655-2656
 Olds, E. J. 1408, 2302, 4618
 Oleaga-Pérez, A. 4806
 Olejníček, J. 1437, 5615-5616
 Olembo, N. K. 1863
 Olender, B. 5023
 Olesen, J. 202
 Oliva, G. 3848
 Olivares, C. Castillo 3381
 Oliveira, F. de 3990
 Oliveira, P. L. 1768, 5087
 Oliveira, S. M. P. de 3010
 Oliver, A. 158
 Oliver, J. D. 4340
 Oliver, J. H., Jr. 1581, 1982, 2485, 4801
 Oliver, J. R. 3798
 Oliver, R. W. 2723
 Olivo, P. D. 2674
 Ollier, S. 1158, 3208, 4342
 Oloo, F. 1448
 Olsen, C. 4923
 Olson, J. K. 1836, 2249, 2261, 2263, 2278
 Olson, M. A. 2786
 Olson, P. 1197
 Olsson, S. O. 208
 Olumide, Y. M. 2538
 Olvera, O. 8
 Olwage, A. 5831
 O'Malley, S. L. C. 981
 Omarova, M. V. 1913
 O'Meara, G. F. 958, 2319, 2955
 Omilabu, S. A. 5372
 Omori, A. I. 1907
 Omwoyo, P. L. 640
 On, J. El- 928
 Onatskii, N. M. 4480
 Onda, T. 2528
 Ondarza, R. N. 4584
 Onderdonk, A. 3920
 Ono, H. 1030
 Ono, K. 3316
 Ono, M. 1940, 5789
 Onstad, D. W. 5401
 Ontiveros, J. M. Ubeda- 5854
 Onyango, F. K. 1879, 2957, 4645, 5125, 5530
 Onyango, P. 1045
 Oortgiesen, M. 1683
 Oostburg, B. F. J. 989, 2274
 Oouchi, H. 4210
 Opdebeeck, J. P. 1133, 2503, 5314
 Opell, B. D. 2029
 Opiyo, E. A. 1448
 Oppenheim, B. A. 3860
 Oppenheim, J. D. 3955
 Oprandy, J. J. 1565
 Oraz, M. J. 2023

- chard, I. 495, 1772, 2139,
 5085
 ellana, E. 5161
 esanya, F. 2538
 kasa, S. 905
 andi, M. 3523
 ov, V. M. 5572
 merod, S. J. 1308
 omi, P. 5477
 r, B. K. 175, 2301
 si, N. 2583
 sini, S. 4418
 t, J. F. 422
 tega, E. Martínez- 5645,
 5649-5650
 thoefer, J. 37
 tiz, A. A. 4283
 tiz, E. 5593
 tiz, J. A. Castellanos 3381
 born, D. 5972
 borne, M. P. 573
 burn, B. I. 4669
 chmann, B. 1097
 ebold, J. W. 2604
 shea, M. 1065, 2133
 hie, K. 390
 man, J. 3208
 man, M. I. 1541
 monov, T. D. 808
 orio, D. 3673
 orio, O. 4471
 t, W. 2090
 teen, C. D. 2811
 ter, C. N. 2957, 5125
 trowski, S. R. 1348
 Sullivan, B. M. 3671
 a, H. 2734
 ke, H. 2506
 eno, D. A. 3154
 eno, L. H. 1045, 2370,
 3052, 3643, 4693
 te, M. J. 4287
 vaga, I. S. 1688
 , C. Y. 5095
 aissi, A. 510
 ari, B. 1009
 da, N. A. 5106, 5659
 edraogo, V. 1009
 idlamlghinia, H. 3519
 vrier, R. A. 3245
 charenko, V. I. 2552
 er, H. J. 211
 erath, H. 1286
 erell, B. 3208
 ergaard Nielsen, B. 202,
 207, 209
 erton, J. A. 490
 syanko, E. P. 1880
 syannikova, Yu. P. 835
 en, J. A. 605
 en, R. E. 1934
 yusu, S. B. 2880
 aizui, H. 2698
 ama, C. 5221, 5955
 aro, C. 4628
 aki, M. 1904
 blo, J. de 2108
 blos H. J., L. 644
 chano, L. 1433
 chner, A. R. 2057
 ckauskas, R. J. 4148
 cker, L. 1933
 cker, M. J. 159, 3048, 3597-
 3598, 5215
 cque, M. C. 5207
 dgett, L., Jr. 93
 dilla, S. 856
 dmalal, U. K. G. K. 1850
 ume, B. A. 99
 ge, B. G. 4087
 ge, R. K. 4057
 ge, T. L. 2871-2872
 k, Y. H. 2987
 khomova, L. A. 3204
 , N. L. 1790
 , R. A. 534
 acios, J. D. 4622
 acios-Vargas, J. G. 4323
 adin, F. J. E. 5909
 au, M. T. 3003, 5199
 au, M. T. 4673
 Palca, J. 4232
 Palchick, S. 124, 3973
 Palermo-Neto, J. 1260, 2772
 Palestirini, C. 3734
 Paling, R. W. 4691
 Palit, A. 3025
 Pallen, C. J. 1724
 Palmer, C. L. P. 2787
 Palmér, E. 4840
 Palmer, G. 1571
 Palmer, G. H. 1992, 3791
 Palmer, J. M. 862
 Palmer, S. C. 3198
 Paloma, J. A. G. 2414
 Pampiglione, S. 4086, 5653
 Pamplona, D. 5709
 Pan, Y. L. 5859
 Pan, Z. H. 4192
 Panchal, G. M. 3224
 Panchappa, K. M. 4971
 Pandare, D. 3603
 Pandey, A. K. 4998
 Pandey, D. S. 2648
 Pandey, K. 1262
 Pandey, R. S. 2648, 4027
 Pandey, V. S. 1490, 1609
 Panella, L. 2540
 Panhirun, S. 5595
 Pani, S. P. 4664, 5165-5166,
 5168
 Panicker, K. N. 3578, 4158,
 5110, 5166
 Paniry, V. Barenholz- 1114
 Panitz, R. 5759
 Pan'kina, M. V. 2352
 Pannabecker, T. L. 3458
 Pănoiu, L. 766
 Panov, A. A. 5733
 Panova, I. V. 2483
 Panova, T. M. 594
 Pant, C. P. 5460
 Pant, U. 54, 2944, 2984
 Pantuwatana, S. 5109
 Panula, P. 916
 Panush, R. S. 1112
 Panyim, S. 2694
 Paolini, M. 833
 Pap, L. 3845
 Papazachariadou, M. G. 3885
 Pape, J. 1205
 Pape, T. 2397
 Papp, L. 570, 1919, 2824,
 3432
 Pappas, C. D. 1015, 3619,
 4667
 Pappas, L. G. 1015, 3619,
 4667
 Pappas, M. 4432
 Parab, P. B. 516
 Pardoe, I. 4413
 Paris, R. M. 2569
 Paris-Hamelin, A. 4917
 Park, C. B. 2231
 Park, H. S. 5329, 5864
 Park, J. M. 4052
 Park, K. S. 3858
 Parke, N. J. 369
 Parker, A. G. 569
 Parker, J. 2230
 Parker, S. W. 279-280
 Parkinson, C. 4341
 Parks, P. 428
 Parks, T. N. 4853
 Parnova, R. G. 5766
 Parodi, A. L. 3638, 3902
 Parotelli, R. 4339
 Parra, F. 2414
 Parry, E. H. O. 4358
 Parsons, M. 2606
 Parsons, R. E. 87
 Parthasarathy, T. N. 2750
 Paru, R. 1004, 1811, 2228
 Parveen, R. 3329
 Parzy, D. 1199
 Pascal, D. D., Jr. 284
 Pascoe, D. 588, 1672, 3083,
 4875
 Pascual, F. 4259, 5778
 Pascual Torres, F. 5777
 Pashkov, V. S. 1177
 Paskewitz, S. M. 2233, 2342
 Pass, G. 3510
 Passalacqua, G. 4472
 Passera, L. 626, 1117, 1943,
 1946-1947, 3773
 Passweg, V. 2166
 Pasteels, J. M. 1944-1945
 Pasteur, N. 2255, 2976, 4176,
 5589
 Pastor, A. 4070
 Pastor, M. J. Jean- 1165
 Pastorello, E. A. 1108
 Patel, K. J. 4954
 Patel, S. L. 2727
 Pateraki, E. 3296
 Pathak, S. C. 3334, 3517
 Paton, R. 3333
 Patourel, G. N. J. le 478,
 2883, 5475
 Patrican, L. A. 1544
 Patrikoussis, M. 3296
 Patrone, M. García- 142
 Patterson, D. J. 3434
 Patterson, R. 2174
 Patterson, R. S. 1319, 1323,
 1457, 1745-1746, 1748-
 1749, 2180, 2208, 3054,
 3548, 4153, 4220, 4558,
 5071
 Pattnaik, N. M. 1422
 Patton, S. 2200
 Paul, B. S. 2095
 Paul, R. 4855-4857
 Paula Moreira, D. de 2379
 Pauli, G. 1160, 3205, 4353
 Paulian, R. 4089, 4254
 Paulino, U. H. M. 1188
 Paulov, Š. 2780, 4049
 Paulson, C. R. 480
 Paulson, S. L. 152, 2958
 Paulsson, G. 5767
 Paulus, H. F. 5104
 Paulus, R. 3584, 4605
 Paumgartten, F. J. R. 2773
 Paupe, J. 264, 271
 Pavlović, I. 486, 672, 921
 Pavlović, I. N. 5409
 Pavri, K. M. 350
 Pawson, B. M. 1936
 Paxton, E. A. 3789
 Paxton, W. J. 1063, 1475
 Payne, G. T. 5970
 Payne, L. L. 3981
 Payne, N. 3975
 Payne, N. J. 798
 Payne, R. C. 4471
 Pays, J. F. 5500
 Pazart, L. 4156
 Peacock, B. E. 93
 Peacock, M. G. 3273
 Pearce, R. L. 5846
 Pearce, B. H. G. 3710
 Pearson, D. 380
 Pearson, D. J. 1863
 Pearson, R. D. 1531, 3671
 Pearson, T. W. 5390
 Pêcheur, M. 3076
 Peck, J. Kukalova- 3101
 Peck, K. 2138
 Peck, L. 3492
 Peck, S. B. 3101, 3729
 Peckarsky, B. L. 4780
 Pedersen, A. E. 1197-1198
 Pedersen, D. L. 617-620
 Pedersen, L. E. K. 2744, 4989
 Pedersen, N. C. 871
 Pedraza, E. Mariño- 5073
 Peeters, C. 4776
 Peferoen, M. 1231
 Pegoraro, R. A. 5665
 Pegram, R. G. 642, 1135-
 1136, 1979, 2475, 4291,
 4304
 Peiris, H. T. R. 2973
 Peiris, J. S. M. 2226
 Pekkarinen, A. 4769
 Peláez, D. 4673, 5199
 Pelagatti, O. 4949, 4955
 Pelfrène, A. F. 3390
 Pelhate, M. 3507
 Pellantová, J. 714
 Pelloquin, J. J. 945
 Peluffo, R. O. 2197
 Peña, A. Estrada- 4314-4316,
 4803
 Pena, C. J. 4616
 Peng, Y. F. 1418
 Penneys, N. 3196
 Penneys, N. S. 2329, 5612
 Penny, D. S. 579
 Pentreath, V. W. 4540
 Penzlin, H. 906, 3510, 4565-
 4566, 5072, 5472
 Peperzak, R. M. 3350
 Pereguda, T. A. 2091
 Pereira, B. J. G. 1941
 Pereira, M. de C. 2473
 Pereira, S. D. 4709
 Pereira de Novaes, A. 2379
 Pereira-Lorenzo, A. 5519
 Perera, O. P. 5548
 Perevozchikova, T. Yu. 2466
 Perevoznikov, M. A. 4048
 Perez, D. 2885
 Pérez, J. Ramírez 5204
 Perez, M. C. Sela- 5489-5490
 Pérez, O. 510
 Perez-Albarsanz, M. A. 828,
 4039, 5973
 Perez-Jimenez, J. M. 3066
 Pérez-Sanchez, R. 4806
 Perianin, A. 5788
 Peribañez, M. A. 4315
 Peribañez-Lopez, M. A. 4316
 Perich, M. J. 1312, 1832,
 3163, 4616
 Perkins, C. 1212
 Perkins, P. 3294
 Perkins, P. V. 3626, 4199,
 4645, 5125
 Perkow, W. 2821
 Perlowagora-Szumlewicz, A.
 2192
 Perna, A. 2484, 2615
 Perna, A. M. 2060
 Perng, G. C. 2607
 Perri, G. di 4437
 Perry, B. D. 893, 1023, 2475,
 2495, 3793, 5313
 Perry, D. F. 3960
 Perschke, H. 5022
 Persing, D. H. 5811
 Persoons, C. J. 4571
 Persson, B. 1942
 Pesce, J. R. 503
 Peschke, W. 799
 Pest Control Technology 2175
 Pestel, J. 4277
 Peter-Katalinic, J. 5241
 Peters, C. J. 3247
 Peters, D. J. 2040
 Peters, R. H. 3634
 Peters, T. M. 861
 Peters, W. 1736, 2289-2290,
 3288, 4674
 Petersen, B. 267
 Petersen, H. D. 3752
 Petersen, J. J. 973, 1936, 4757
 Petersen, L. R. 3255
 Peterson, B. V. 183, 1033,
 1436
 Peterson, T. 4698
 Petit, G. 2472, 3927-3928,
 3931, 5163
 Petitjean, A. M. 4476
 Petitpierre, E. 2429
 Petney, T. N. 666, 1551, 2511,
 4921, 5797, 5832, 5844,
 5849
 Petraccia, C. 2491
 Petrangeli, G. 5622, 5635
 Petrarca, V. 5124, 5622-5623,
 5627, 5631, 5634-5635
 Petros, B. L. 2993
 Petrov, D. 3847
 Petrova, N. A. 242, 2419
 Petrovic, S. Schuller- 928
 Petrović, Z. 3627, 5821
 Petter, F. 2351
 Pettersson, R. F. 2603
 Pettigrove, V. 3081
 Pettis, G. L. 4918
 Petzel, D. H. 3458

- Petzelt, J. P. 2698
 Peucker, S. K. J. 3710
 Peyton, E. L. 99, 2977, 4183, 5579
 Pezzuto, J. M. 4975
 Pfaffenberger, G. S. 41, 671
 Pfau, H. K. 1477
 Pfeifer, T. A. 2703
 Pfister, R. 4572
 Pfeleiderer, M. 601
 Pflughaupt, K. W. 2054
 Pfüller, R. 2557
 Pham Van Luk 3327
 Phanthumachinda, B. 4157
 Phelps, R. J. 5442
 Phillips, A. 3014
 Phillips, D. 1613-1614
 Phillips, D. A. 5902
 Phillips, J. S. 3164
 Phillips, M. E. 1641
 Phillips, M. G. 332
 Phillips, S. A., Jr. 1951, 2461, 4772
 Phillipson, J. D. 4001
 Philogène, B. J. R. 3419
 Philpott, M. 5950
 Piacentini, G. L. 4339
 Piangiamore, M. 2615
 Piasecki, W. 2042
 Piątkowski, S. 1461
 Piccioni, P. 2100
 Piceis Polver, P. de 5479
 Pichler, E. 3209
 Pichon, Y. 3509, 3519
 Pichot, J. 4295
 Pickel, S. L. 5295
 Pickens, L. G. 1889, 4012, 4216, 4222
 Pickering, J. G. 595
 Pickering, Q. 3384
 Pickert, A. 3249
 Pickett, J. A. 1378, 5587
 Picollo de Villar, M. I. 2921-2922
 Piegorsch, W. W. 4047
 Piek, T. 1935
 Piera, F. M. 1925
 Pierce, G. V. 2696
 Pierce, R. H. 2787
 Pierre, M. 1765
 Piesman, J. 668, 1194, 1533, 1552, 1562, 1964, 3797-3798
 Pietra, P. 1890, 3041
 Pietrak, M. 1353, 1466
 Pietrobelli, M. 5750
 Pilaski, J. 3899
 Pile, M. M. 994, 1378, 2357, 5587
 Pilipchenko, V. F. 5916
 Pillai, J. S. 2661
 Pilli, A. 3384
 Pinger, R. R. 1975
 Pinheiro, F. P. 741, 745, 4668
 Pinkley, L. Irwin- 1563
 Pinniger, D. B. 3987
 Pinnock, R. D. 3355
 Pinto, L. 4247
 Pinto C., M. 4512
 Pinto Dias, J. C. 50
 Piotrowski, F. 1579, 1625, 1758, 1760, 2417
 Piotrowski, R. 1588
 Pipa, R. 4138
 Pipa, R. L. 4140
 Piper, J. 4344
 Pirhonen, P. 846
 Pirnazarova, E. S. 1781
 Pirvola, U. 916
 Pisarski, B. 5278
 Piscolla, F. 4238
 Piskač, A. 3837
 Pitcairn, M. J. 124
 Pitman, R. M. 477, 3508
 Pittaway, A. R. 5795
 Pittino, R. 4256, 4264
 Pitts, C. W. 3055
 Piulachs, M. D. 3516, 3520, 4570, 5469
 Pivanova, G. P. 2581
 Pizzorno, G. 4472
 Plagemann, P. G. W. 138
 Planas, L. 3196
 Plant, J. W. 4326
 Plantevin, G. 3757
 Plateau, E. 3903
 Platnick, N. I. 1290
 Platts-Mills, T. A. E. 1162, 2530, 3302, 4332, 5327
 Platzter, A. 796
 Platzter, E. G. 796, 3970
 Pless, J. E. 1717-1718
 Plessis, J. L. du 5835
 Pletnev, A. G. 5893
 Pletzen, R. van 5611
 Plichart, R. 3896
 Plozza, T. M. 4331
 Plus, N. 2673, 4477
 Pochet, A. 200
 Podboronov, V. M. 1983
 Podowski, A. A. 5960
 Podstavková, S. 5958
 Poerstamp, N. 4922
 Poglayen, G. 1912, 5751
 Pogodina, L. S. 2580
 Poinar, G. O., Jr. 1654, 2030, 2073, 2696, 3038, 3971-3972
 Pojmańska, T. 4871
 Pokrovskii, V. I. 711
 Polglase, J. L. 1180
 Polhemus, J. T. 5508
 Polk, C. P. 2307
 Pollack, G. S. 4717
 Pollak, S. 42
 Pollart, S. 1162
 Pollart, S. M. 3302, 5327
 Pollock, I. 618
 Pollock, J. N. 5444
 Pollock, T. J. 2693
 Polska Akademia Nauk 2816
 Polver, P. de Piceis 5479
 Polyakov, V. A. 822
 Poman, J. P. 515
 Pomonis, J. G. 3064, 3347
 Pond, C. M. 785
 Pongs, O. 2850, 5455
 Ponnudurai, T. 522, 2225, 2240, 2246, 4647
 Pont, A. C. 239
 Pontasch, K. W. 3361
 Pontius, J. S. 2866
 Pool, G. 4647
 Poole, N. J. 414
 Poon-King, T. 5872
 Pope, S. E. 4839
 Popham, T. W. 4294
 Popiel, I. 3328
 Popov, N. V. 3253
 Popovic, R. 3364
 Popovich, A. P. 1849
 Poppiti, R. J., Jr. 3705
 Porshnyakov, G. A. Mazokhin-614, 1107, 2438
 Porsio, A. 4436
 Porskamp, H. A. G. 800
 Porter, A. H. 3447
 Porter, C. H. 5138
 Porter, S. D. 631, 633, 3133, 3135, 3141
 Porterfield, J. S. 4106
 Porto, M. Casal- 5490
 Portus, M. 5855-5856
 Posa, F. G. 2729
 Posadas del Rio, F. A. 5001
 Posakony, J. W. 4745
 Possee, R. D. 377
 Post, J. E. 4928
 Post, R. J. 561
 Postrado, L. 779
 Potkonjak, D. 3216
 Potschka, B. 1644
 Potts, A. 3078
 Potts, B. J. 3907
 Poulin, M. Bigras- 3042
 Poulin, R. 336, 3867, 3869, 5349
 Pound, J. M. 1574, 3819
 Povazhnaya, T. N. 1844
 Poveda, J. D. 4400
 Povey, R. C. 2829
 Póvoa, M. M. 3284, 3541
 Povolný, D. 228, 2400-2402
 Powell, D. 4580
 Powell, F. C. 327
 Powell, J. A. 1932
 Powell, J. R. 4545
 Powell, K. A. 414
 Pozsgay, M. 1228
 Prabhakar, J. D. 2097
 Pradhan, P. V. 4509
 Pradhan, S. 136
 Pradhan, S. P. 1362
 Prain, C. J. 3286
 Prakash, D. 2567
 Prakash, G. K. 3579
 Prasad, B. 3178
 Prasad, B. P. 5417
 Prasad, R. S. 3179
 Prasad, S. 3810
 Prasad, V. 3398
 Prasanna, T. 2392
 Pratt, G. E. 5471
 Pratt, H. D. 918
 Pratt, J. 3583
 Preac-Mursic, V. 2063, 2611
 Pree, D. J. 3356
 Preez, L. du 4609
 Préfontaine, G. 5937
 Preiser, F. A. 2092, 3351
 Prelaud, P. 5334
 Prelicz, H. 4243
 Premawansa, S. 2226
 Prendergast, F. G. 4761
 Prescher, S. 5769
 Presgrave, O. A. F. 2773
 Presser, S. B. 3559, 3889, 5139
 Prestini, A. 4750
 Preston, K. L. 3809
 Pretty, J. N. 2812
 Pretty, S. 2723
 Prévost, M. C. 1651
 Price, N. R. 1888, 5974
 Price, R. A. 4575
 Price, R. D. 1324, 1326, 2896, 2898-2902, 3532
 Price, S. B. 2627
 Priebe, K. 1619
 Priest, F. G. 3949
 Prieto, M. 2414
 Prijs, H. J. 203
 Principato, M. 1585, 3708
 Prior, C. 2662
 Pritchard, J. 5021
 Pritchard, P. H. 2804
 Proano, J. R. 4941
 Proceedings and Papers of the Annual Conference of the California Mosquito and Vector Control Association 447
 Procell, P. M. 2993
 Proctor, H. C. 682
 Procunier, W. S. 3633
 Prodi, G. 2098
 Prody, C. A. 5978
 Prokhorova, I. N. 1848
 Prokhorova, V. G. 287
 Proletti, F. A. 1188
 Propp, G. D. 1457
 Prost, A. 3918
 Prot, E. Dąbrowska- 702
 Prpic, J. K. 443
 Pruess, K. P. 1436, 4681
 Pruett, J. H. 586, 2016, 3707, 4733
 Prügél, M. 2360
 Pruszyńska, I. 1997
 Przybilla, B. 1109, 3121
 Psistakis, M. 4444
 Puccini, V. 5717, 5752-5754, 5873
 Pudney, M. 3539
 Puerini, A., Jr. 5486
 Pugh, R. E. 3544
 Pugsley, A. P. 1906
 Puig, M. 1680
 Pull, J. H. 4651
 Pullés, J. M. Reyes 3381
 Pulicino, P. 2101
 Pulman, D. A. 821, 2082-2084, 2745-2747
 Pulz, M. 2054
 Pumala, K. 815
 Pumpuni, C. B. 1824, 2251
 Punavuthi, N. 5186
 Punda, V. 4380
 Punia, D. 5013
 Punia, J. S. 5013
 Punyua, D. K. 4799, 5813
 Purcell, J. P. 909, 5470
 Puri, S. K. 2988
 Purnell, R. E. 1577, 2645
 Pursey, J. C. 1658
 Pusino, A. 851
 Pussemier, L. 3557
 Pustell, J. 233
 Putnak, R. 5360
 Putnam, A. R. 3342
 Puttalakshamma, G. C. 579
 Puttisi, P. 3887
 Putz, R. 3057
 Py-Daniel, V. 5205, 5666
 Pydkina, E. B. 5918
 Pyysalo, H. 1691
 Pyza, E. 283
 Qadri, S. U. 433
 Qayyum, A. 4230
 Qazi Abdulaziz, M. H. 534
 Qi, G. R. 2852
 Qi, Y. M. 927
 Qian, D. 2589
 Qian, L. H. 1671
 Qin, Y. X. 1360
 Qiu, W. 2664
 Qu, J. Q. 2353, 2643
 Qualizza, R. 1108
 Quan, T. J. 1204, 5377
 Quarterman, K. D. 2839
 Quenon, S. G. 1276, 1690
 Quentin, K. E. 4080
 Quesada, R. 5748
 Quesada-Allue, L. A. 2913, 2919
 Quest, J. A. 856
 Quicke, D. 2553
 Quicke, D. L. J. 610, 698, 2022
 Quillevere, D. 1035-1036
 Quillien, M. C. Legrand- 259
 Quinlan, M. C. 5879
 Quinn, T. M. 909
 Quiñones, M. L. 964, 4622
 Quintana, I. 3211
 Quinteiro-Alonso, M. P. 5519
 Quintero, J. 3580
 Quirion, J. C. 4773
 Quiroz R., H. 644
 Quistad, G. B. 1113
 Qureshi, A. 75
 Raad, I. 5377
 Raadsma, H. W. 1063, 1475, 3070, 3664-3665, 3667
 Raadt, P. de 4470
 Rab, M. A. 3290
 Rabasse, J. M. 1310
 Rabinovich, J. E. 53
 Rabinovitch, L. 3948
 Rabo, F. H. Abd 3395
 Rabotnova, I. L. 4945
 Raccurt, C. P. 518, 3581, 4654
 Racewicz, M. 1318
 Rachid, M. S. Ben 1854, 3285
 Rack, G. 4820
 Radchenko, M. I. 2541, 5871
 Radda, A. 3183
 Radha Krishna Murthy, K. 5345
 Radresa, J. Saballs- 3893
 Rae, P. F. 2371
 Raebel, M. A. 1692-1693
 Raffi, A. 5312
 Raffi, G. B. 845
 Ragab, A. 1127
 Rageh, H. A. 5195-5196
 Raghavan, R. 2392
 Raghunatha Rao, D. 4158-4159
 Raghunatha Rao, T. K. 4149
 Raghunathan, A. N. 3947
 Ragoonansingh, R. 5546

- hamim, E. 2943
he, A. J. 1405
hman, S. A. 3711
hman, S. J. 559
hmet-Alla, M. 3525-3526
J. 5366
K. S. 1012, 1367, 1395,
604
khel, A. S. 1796, 5105,
566
ina, A. K. 412, 3473
ina, R. 5010, 5431
isinghani, P. M. 3854
j, R. K. 1791
ja, E. E. 1787
jagopal, R. 539
jagopalan, P. K. 2653,
158, 5165-5166, 5445,
447
jamohanan, K. 4359
japaksa, N. 4234
jasekariah, G. R. 516
javel, A. R. 4664
jbhmdari, Y. 136
jendra, W. 2763
jendran, G. 5110
jeshwari, Y. B. 5799
jini, P. S. 2762, 3372
jput, K. B. 1389, 5525
ju, A. 2601
ju, R. 2601-2602, 4412
k, S. S. 83, 1384
koski, J. 2449, 3121
kovič, M. 5774
kowski, G. 1102, 1104
lisoa Randrianasolo, B. O.
626
llis, T. S. 3885
ena Rao, A. V. 4980
machandra Rao, P. V. 4940
madan, A. A. 4041-4043
maiah, K. D. 2653, 4664,
165
majo-Martin, V. 5825
mana Rao, K. V. 5002-
03
manamirija, J. A. 2642
manand, K. 2792
manujam, S. 2944
masamy, M. S. 2317, 4187
masamy, R. 2317, 4187
maswamy, R. 5247
mig, R. F. 1429
mirez, L. E. 491
mirez Pérez, J. 5204
misz, A. 1353
mmell, C. G. 3396, 4079
mon, M. E. 4837
mon, P. 2445, 3768, 4276
mos, H. da C. 163
msay, B. 327
msay, J. R. 413
msay, L. G. 5911
msdale, C. D. 3562, 5582
msej, A. M. 5114
msej, J. M. 944
msej, R. T. 1443
mudo, S. Vázquez 348
na, D. 1921
nadvie, S. N. 1187, 5356
nawaka, M. B. R. 2226
ncourt, S. L. 5036
nd, K. N. 4288
nd, P. W. 5814
ndecker, V. 4076
ndolph, S. E. 1048, 4213
ndolph, V. B. 5564
ndrianasolo, B. O. Ralisoa
626
nford-Cartwright, L. C.
372
ngel-Aldao, R. 5084
ni, M. 3100
ni, P. 834
ni, S. 3371
nkins, D. L., Jr. 2099
nnon, L. 1635
o, A. P. 2752
o, A. S. 4020
o, A. V. R. 4980
o, D. M. R. 5968
Rao, D. R. 2940, 4158-4159
Rao, J. R. 4713
Rao, K. H. 3897
Rao, K. M. 1024, 1028, 2982
Rao, K. R. S. S. 5003
Rao, K. V. R. 5002-5003
Rao, P. N. 1838
Rao, S. B. 4030
Rao, T. K. R. 4149
Raoult, D. 2617, 5312
Rapoport, G. 1230
Rapoza, P. 3916
Rapoza, P. A. 2055
Rashed, S. S. 1831, 5116
Rasker, J. J. 768
Rasmuson, M. 889
Rasnitsyn, A. P. 3755
Rasnitsyn, S. P. 1839, 1846,
5574
Rastegaev, Yu. M. 583, 2404
Rastogi, M. 1790, 5159-5160
Ratajczak, H. V. 856
Ratcliffe, N. A. 2870, 2927
Rathburn, C. B., Jr. 2252,
2295, 4632
Rathore, M. S. 3854
Ratna Kumari, T. B. 637
Ratner, D. 1275
Ratnieks, F. 2439
Ratnieks, F. L. W. 3111, 3754
Ratner, B. A. 1673
Ratzan, K. R. 3705
Rau, M. E. 2266, 4652, 5349
Ravallec, M. 3591
Raveret-Richter, M. 2439
Ravindran, B. 1422
Ravishankar, M. 4846
Rawle, F. C. 4332
Rawlings, R. 4215
Rawlins, S. C. 96, 5113, 5546
Ray, A. C. 2433
Ray, D. le 3292, 4208
Ray, P. K. 1268, 2568, 2779
Ray, S. 3620
Raymond, M. 1659
Rayne, R. C. 1727-1728
Razdan, R. K. 995
Razgauskas, E. F. 322
Razin, A. 2697
Rdikyan, E. Z. 1675
Ready, P. D. 3016, 3020
Reagan, T. E. 2865, 3775
Reagor, J. C. 2433
Reardon, M. J. 1448, 1876-
1877, 1879
Reardon, T. 5137
Reardon, T. P. 2288
Rebeiz, C. A. 1251
Rebeiz, C. C. 1251
Rebello, M. 2592
Rebello, M. A. 130, 1629,
4407
Rebentish, B. A. 392, 4946
Rebmann, H. 2532, 2535
Reboredo, G. R. 2923
Reboredo, R. G. 142
Recacoeolas, M. 3292
Rechav, Y. 1139, 1453, 1537,
5797
Recio, M. N. 828, 5973
Reddi, O. S. 844
Reddy, A. 4481
Reddy, C. B. S. 5445
Reddy, C. M. R. 5445
Reddy, D. N. R. 5468
Reddy, E. R. 3343
Reddy, P. M. 1263
Reddy, P. P. 844
Reddy, S. M. 496
Reddy, S. N. 3579
Reddy, S. R. 4029
Reddy, S. R. R. 703
Reddy, V. K. 496
Redecker, B. 1383
Redfern, J. M. 2273, 3607
Redfern, R. E. 4012
Redgate, N. D. 5100
Redl, P. 3845
Reduth, D. 3539
Ree, H. I. 977, 2987
Reed, C. E. 325
Reed, H. C. 616
Reed, M. A. 273, 4283
Reed, N. D. 3311
Reeder, B. 1096
Reedy, M. C. 2128, 3459
Reedy, M. K. 2128, 3459
Rees, D. P. 3102
Reeve, H. K. 3753
Reeves, R. M. 2006
Reeves, W. C. 107, 3889,
3900-3901, 4377
Regelmann, W. E. 4896
Regenbogen, L. 4915
Regnery, R. 2060
Regueiro, J. A. García- 1282
Regupathy, A. 3426
Reháček, J. 658, 2502, 2504
Rehle, T. M. 1636
Reichardt, W. 3657
Reichha, J. M. 5235
Reichhardt, R. 1170
Reichmuth, J. 3644
Reid, B. J. 4633
Reid, B. L. 4564
Reid, H. F. M. 5872
Reid, H. W. 740
Reid, J. W. 2312, 2960, 3230
Reidelbach, J. 3029, 4678
Reidenbach, J. M. 3712
Reierson, D. A. 25, 1343
Reif, J. S. 5014
Reifen, R. M. 4367
Reifenrath, W. G. 1261, 2933,
5119
Reilly, H. 374
Reimer, L. W. 1620
Reina, D. 5459
Reina, G. 2061
Reinecke, R. K. 1083
Reinert, J. F. 4184
Reinhard, K. J. 2869
Reisen, W. K. 94, 122, 136,
759, 1818, 2254, 3602,
4644, 5127, 5534
Reisman, R. E. 3300, 4269-
4270, 4273-4274, 4473
Reiter, I. 4455
Reiter, L. W. 1682
Reiter, P. 719
Reitz, R. C. 917, 4706
Rellahan, B. L. 4129
Rembold, H. S. 3346, 3536,
5495
Remensperger, U. 4517
Remez, V. I. 835
Remme, J. 2652, 3037
Remy, J. M. R. Saint- 2529
Ren, S. M. 1347
Renapurkar, D. M. 2205
Renaud, F. 3874
Renbaum, P. 2697
Renco, Z. D. 5792
Rendón-von Osten, J. 5980
Renner, M. 2825
Renobales, M. de 3452, 5037
Rensburg, B. J. J. van 5744
Rensen, J. J. S. van 2117
Rentz, D. C. F. 3500
Renucci, M. 5041
Renwick, J. A. A. 395, 1653,
4952
Renwrautz, L. 2870
Renz, A. 1857, 4497
Reotutar, R. 3910
Repik, P. M. 4885
Resh, V. H. 175, 2301, 3486,
5046
Reshetnikov, I. A. 295
Resnikoff, S. 4908
Restivo, O. 4442
Retnakaran, A. 2078
Reuben, J. P. 5886
Reuben, R. 1003, 2940, 4158-
4159, 5583
Reuss, K. 2054
Rey, J. C. 2468
Rey, J. M. 1925
Reyers, F. 2049
Reyes, J. L. 5001
Reyes Pullés, J. M. 3381
Reyes-Villanueva, F. 962
Reynolds, L. 3853
Reynolds, R. B. 4481
Reynolds, S. E. 416-417, 1705
Reynoldson, J. A. 4053, 4056
Reznik, N. A. 2418
Reznik, S. Ya. 2441
Rheuben, M. B. 5050
Rhoades, R. B. 4771
Riba, G. 3591
Ribbeck, R. 1170, 2387, 3833
Ribbink, A. J. 2
Ribeiro, A. F. 1766, 4248
Ribeiro, C. T. D. 3434-3435
Ribeiro, H. 163, 5987
Ribeiro, J. M. C. 103, 1431,
1528, 1657, 1855, 3181,
3817
Ribeiro, M. F. B. 1957
Ribeiro, R. D. 43
Ribicich, M. M. 693
Rice, C. M. 4410
Rice, D. A. 5336
Rice, R. M. 1023, 2495, 2626
Rice, W. C. 2668
Richard, A. 4156, 5194
Richard, P. 2593
Richard, S. 5308
Richards, D. 373, 4271
Richards, E. H. 2870
Richards, G. 462, 1704
Richards, I. D. G. 3412
Richards, W. G. 410
Richardson, B. B. 521, 5173
Richardson, C. 2676
Richardson, G. M. 433
Richelli, C. 4339
Richer, D. L. 2087
Riches, M. N. 2089
Richey, B. 2558
Richner, D. 4688
Richter, D. 4802, 5288
Richter, K. 1722, 4126, 5472
Ricigliano, J. W. 2129
Rico-Hesse, R. 4397
Riddiford, L. M. 456
Riding, G. A. 669
Ridings, H. I. 4500
Ridl, F. 1385
Ridl, F. C. 505
Ridl, M. 2853
Ridley, R. G. 2225
Ridsdill-Smith, T. J. 219, 5227
Rie, J. van 3323
Riebel, A. 2810
Riemann, H. P. 4890
Rietschel, W. 4591
Riley, C. M. 801, 4682
Riley, J. 343, 4878
Riley, J. R. 3496
Rimoldi, O. J. 2197, 5494
Rinderer, T. E. 3765
Rinderknecht, B. L. 1667
Ring, J. 1109, 3121
Ring, R. A. 3215
Rini, G. B. 4416
Rinkanya, F. G. R. 4298
Rioux, J. A. 5195-5196
Riper, C. van, III 2964
Risher, J. F. 3392
Risipail, P. 3631
Ristic, M. 1214, 2630, 4522,
5383
Rita Viera, H. S. 5158
Ritchie, B. W. 2579
Ritchie, S. A. 2310, 5461
Ritossa, F. 4538
Ritschel, W. A. 1264
Ritter, D. G. 5900
Ritter, L. 856, 5006
Rittschoff, D. 4867
Ritz, C. W. 5699
Rivas, A. 4805
Rivera, T. 5721
Rivero, A. 3007-3009
Rivista di Sunicoltura 3849
Rizki, R. M. 3115
Rizki, T. M. 3115
Rizzica, M. 4513
Robb, S. 2131
Robberto, D. 4417
Robbins, L. W. 1394

- Robbins, R. G. 1563, 2486, 3156
 Robbins, S. J. 4885
 Robert, C. H. 2558
 Robert, L. L. 2261, 2263
 Robert, V. 522, 1009, 2215, 3601, 4156, 5600
 Robert-Nicoud, M. 1090
 Roberto, R. R. 5161
 Roberts, A. 1209
 Roberts, C. 1330
 Roberts, C. R. 2957, 4628, 4645, 5125, 5128, 5530
 Roberts, D. M. 1434
 Roberts, D. R. 3587, 4668
 Roberts, D. W. 395, 1653, 3963-3964, 4487, 4952
 Roberts, F. L. 471
 Roberts, H. M. 2492
 Roberts, L. W. 1879
 Roberts, M. A. 1214
 Roberts, M. F. 4001
 Roberts, N. T. 1406
 Roberts, R. H. 5638
 Roberts, S. M. 1196
 Roberts-Thomson, P. 3119
 Robertson, D. A. 3489
 Robertson, R. T. 5426
 Robideaux, M. L. 2760
 Robinson, B. 5096
 Robinson, C. E. 5719
 Robinson, D. 1822
 Robinson, J. L. 650
 Robinson, N. G. 1661
 Robinson, P. 3493
 Robl, H. 2063
 Rocha, I. 45
 Rocha, R. M. 2193
 Rocha, S. 3007-3008
 Rocha, U. F. 3152, 5827
 Rochat, H. 2032, 3862-3863
 Rocheleau, T. A. 2683
 Rockett, C. L. 5147, 5317
 Rokey, S. J. 1909
 Rockwell, R. F. 8
 Rodhain, F. 2050, 2258
 Roditi, I. 5390
 Rodrigues, F. M. 5361
 Rodrigues, R. 4075
 Rodrigues, V. 4247
 Rodrigues, V. L. C. C. 2193, 5503
 Rodriguez, G. 5199
 Rodriguez, H. 387
 Rodriguez, H. M. 2295, 4632
 Rodriguez, I. 334
 Rodriguez, J. B. 1664, 2081
 Rodriguez, J. L. 1427, 2996, 3827
 Rodriguez, L. L. 4376
 Rodriguez, M. H. 5543
 Rodriguez, M. L. 5001
 Rodriguez, M. M. 5593
 Rodriguez, O. N. 4805
 Rodriguez, P. 4805
 Rodriguez, P. H. 2936, 4177
 Rodriguez, R. Benitez- 3066
 Rodriguez-Braza, B. 5854
 Rodriguez Diego, J. 4814
 Rodriguez-Menendez, H. 1501
 Rodriguez-Romo, J. 5776
 Rodulfo, S. 1433
 Rodyuk, G. N. 4860
 Roe, R. M. 3168, 4010, 5936, 5953
 Roebroek, J. G. H. 3062, 3672
 Roehle, P. M. 2631
 Roehrdanz, R. L. 3065
 Roehrig, J. T. 547, 717, 3890
 Rogan, I. M. 3664, 3667
 Rogers, D. G. 3646
 Rogers, D. J. 980, 1048, 3886, 4213, 4465, 4523
 Rogers, G. 3078
 Rogers, H. R. 4068
 Rogledi, S. 2808
 Roháček, J. 2426, 5757
 Rohde, A. 19
 Röhl, S. 1644
 Rohner, C. 4261
 Rohr, U. 5966
 Rohrbach, E. 2054
 Rohrbach, R. H. 1256
 Rohrer, S. P. 5009
 Rohrmann, G. F. 5402
 Roig, J. 4340
 Rojas, J. C. 4584
 Rojas Companioni, D. 3381
 Rojatar, S. R. 2731
 Rokicki, J. 1617, 1621-1623, 2041, 2565-2566
 Rollag, O. J. 930
 Rolseth, B. M. 2375, 5214, 5218
 Román, M. García- 5776
 Romaña, C. A. 5500
 Romand, R. 3603
 Romanenko, L. N. 2463
 Romania, Institutul Agro-
 nomic Cluj-Napoca 2836
 Romaniuk, K. 2383
 Romano, A. 4440, 4915
 Romano, R. 5629-5630
 Romans, P. 1361
 Romanski, B. 4133
 Romanuk, M. 5410
 Rombach, M. C. 795, 4487, 4959
 Romero, J. R. 5876
 Romero, P. 1277
 Romero, R. Castro 4862
 Romero R., C. M. 5252
 Romi, R. 5628
 Rommel, M. 2831
 Romo, J. Rodríguez- 5776
 Romona, A. 1578
 Romoser, W. S. 2985, 4173
 Romváry, A. 5012
 Roncalli, R. A. 5437
 Rondelaud, D. 2457
 Ronderos, J. R. 2923
 Ronderos, R. A. 51
 Rongsriyam, Y. 5186
 Ronis, M. J. J. 3652, 4120
 Roovers, M. H. W. M. 5395
 Rooymans, T. P. 1154
 Rosa, A. B. 691
 Rosa, A. C. 557
 Rosa, A. Travassos da 736
 Rosa, G. la 2060
 Rosa, M. E. de la 8
 Rosa, P. A. 5379
 Rosa, S. di 1355, 2059, 2614-2615, 4416-4418
 Rosales, C. Córdón- 2971
 Rosario, V. do 512, 2227
 Rosario, V. E. do 1423, 3551-3552, 5162
 Rosas, S. B. 2761
 Rosay, B. 2841
 Rose, D. L. 2698
 Rose, G. 3302
 Rose, H. A. 5067
 Rosell-Davis, R. 1535, 2498
 Rosen, L. 2320, 2949, 3571, 4174
 Rosen, L. J. 2903
 Rosen, S. 3061, 4815, 5801
 Rosen, T. 39, 1586, 3190
 Rosenberg, D. M. 10, 14, 5046
 Rosenberg, J. 1276, 1690
 Rosenberg, R. 4662-4663, 5588
 Rosenheim, J. A. 4986
 Rosenkilde, I. 5711
 Rosenstreich, D. L. 4343
 Rosenthal, G. A. 5237
 Roshdy, M. A. 1541-1542, 1971, 3158, 4798
 Rosic, A. 4914
 Rosić, N. 3375
 Rosillon, D. 2858
 Rosini, G. 3144
 Rosiński, G. 2737
 Roslavtseva, S. A. 2091
 Ross, C. A. 3286
 Ross, E. S. 4231
 Ross, E. V., Jr. 375
 Ross, H. F. 573
 Ross, J. 3547
 Ross, K. G. 2460, 3778
 Ross, M. H. 2177, 2876, 4128, 5059, 5063
 Ross, R. 1300
 Rossaro, B. 2861
 Rosser, W. 1205
 Rossi, C. A. 2597
 Rossi, L. 4750
 Rossi, P. 1793, 5619-5622
 Rossier, C. 4412
 Rossignol, D. P. 3653
 Rossignol, P. A. 104
 Rossinskaya, L. N. 1688
 Rotaru, O. 302
 Roth, J. P. 1468, 3752, 4267
 Roth, L. M. 2878, 3522, 4136
 Roth, S. 4530
 Roth, V. D. 2028
 Rotheray, G. E. 4245
 Rothfels, K. H. 3633
 Rothwell, J. T. 3922
 Rothwell, T. L. W. 4839
 Rottem, S. 2697
 Rotzer, A. 254
 Roubal, F. R. 706
 Roubik, D. W. 3767
 Rougon, C. 3738, 3740
 Rougon, D. 3738, 3740
 Roulet, A. 5308
 Roush, R. T. 3985
 Rousseaux, J. J. Lenoir- 2132
 Roussel, J. P. 2172
 Rousset, A. 1126, 1128
 Rousset, J. J. 772
 Roux, A. 3638, 3902
 Roux, J. 3896, 5369
 Roversi, P. F. 3104-3105, 3108
 Rowe, J. 1212
 Rowland, M. 511, 1799
 Rowland, M. W. 160
 Rowley, A. F. 3525-3526
 Rowley, W. A. 1794, 3599
 Rowton, E. 2957
 Roy, B. P. 379
 Roy, J. H. B. 5033
 Roy, P. 2600, 4382, 5895, 5900
 Roy, S. 3179
 Roy-Contancin, L. 5886
 Royce, W. G. 4067
 Rozas, R. 2885
 Rozen, H. 2809
 Rozen, S. 3705
 Rozendaal, J. A. 171, 989, 2274-2275, 2292
 Rozengart, V. I. 4048
 Rozkošný, R. 1499, 2213, 5758
 Rozman, K. K. 2099
 Rozynek, P. 1092
 Ruatti, A. 1134
 Ruaysoongnern, S. 4123
 Rubaire-Akiiki, C. M. 2510
 Ruber, E. 1273
 Rubinstein, C. 142
 Rubinstein, C. T. 1073
 Ruby, C. L. 2092
 Rudick, G. B. 5486
 Rudin, W. 1008, 2240, 5090
 Rudnik, M. P. 2620
 Rudolph, A. 1875
 Rudzinska, M. A. 3797
 Rueckert, R. R. 4478
 Rueda, L. M. 4954
 Ruff, J. P. 2786, 5706
 Ruffoni, S. 4472
 Ruge, K. 4792
 Rühm, W. 2360, 4202, 4678, 4680, 4732
 Ruiz, A. M. 5504
 Ruiz-Lizarraga, G. 1924
 Ruiz-Martinez, I. 3066
 Ruiz-Sanchez, J. 5883
 Runck, C. 1776
 Runia, L. T. 3728
 Runko, S. 3058
 Runstrom, E. S. 5060
 Ruoho, A. E. 5933
 Rupa, D. S. 844
 Rupp, K. 4678
 Ruprah, N. S. 3813
 Ruprecht, A. L. 678
 Rurangirwa, F. 3855
 Rusev, I. 3847
 Rushlow, K. 1632
 Rusiecki, V. 1519
 Rusmiarto, S. 95
 Russell, B. L. 2687
 Russell, R. C. 3333, 4093-4096, 4100, 4521, 5178, 5989
 Russo, R. 168-169, 2100
 Rust, M. K. 25, 1343
 Ruzler, P. L. 247, 3748
 Rutledge, L. C. 895, 967, 1237-1238, 2159, 2277, 2279, 2933, 2951, 5052, 5119
 Rutschke, E. 5473
 Rutschke, J. 184
 Rutti, B. 1144, 5287
 Rutz, D. A. 1505, 4322, 4711, 5225
 Ruza, L. O. 1250, 1279, 1281
 Ruzybakov, R. M. 5964
 Ruzza, F. J. de 2379
 Ryan, L. 3628
 Ryan, R. W. 2624
 Ryazhenov, N. I. 855, 4507
 Rybachuk, V. N. 712, 2586
 Ryckman, R. E. 3538, 4084
 Ryden, B. 1098
 Rydkina, E. B. 2621
 Rylander, E. 5866
 Rylands, A. B. 1116
 Rypstra, A. L. 700
 Rys, P. N. 5811
 Ryti, R. T. 2458
 Rzany, G. 3121
 Sã, C. 4018
 Saadi, M. Al- 5561
 Saballs-Radresa, J. 3893
 Sabatinelli, G. 1021, 1793, 4156, 5619-5623, 5632-5635
 Sabelis, M. W. 3481
 Sabesan, S. 3578, 5110
 Sabrosky, C. W. 4239
 Sacchi, L. 2182, 4139, 5479
 Saccomano, N. A. 1613-1614
 Sachs, D. 4915
 Sachs, R. 4687, 4874, 5354
 Sacks, D. L. 3282
 Sadanandane, C. 4664
 Sadler, J. P. 5056
 Sadykov, V. G. 5305
 Saeki, Y. 2423
 Saether, O. A. 3442
 Saether, O. E. 3087
 Sáez, V. Díaz- 4788
 Saez, V. Diaz- 5822
 Safronov, A. V. 2586
 Sagdieva, P. D. 4290
 Sage, B. A. 461
 Sagmeister, H. 3694
 Saganwongse, S. 5595
 Saha, G. K. 5058
 Sahabi, Z. 91
 Sahota, T. S. 877
 Said, M. Ben 3289
 Said, M. E. 4430
 Said, S. El- 3912, 5128, 5140, 5647
 Said, S. M. El- 5646
 Saini, R. K. 2373
 Saint-Fort, R. 2797
 St. George, T. D. 727, 752, 4886
 St. Jules, R. 4742
 St. Leger, R. J. 1236, 3963-3964, 4488
 Saint-Remy, J. M. R. 2529
 Sainte-Laudy, J. 264, 271, 5334
 Saito, K. 83, 1026, 5662-5663
 Saito, T. 4127
 Sakaguchi, M. 4335
 Sakai, H. 1233
 Sakai, T. 2578
 Sakharova, Z. V. 4945
 Sakhuja, V. 1941
 Sakr, S. A. 3543
 Sakurai, H. 5742-5743
 Sakurai, Y. 3996

- lamanna, G. 4242
las, J. Nolla- 3893
lazar Schettino, P. M. 1763, 2194
leh, A. T. 3641
leh, M. S. 2330, 5142
lem, H. 856, 4190-4191
lem, M. S. 2013
les, N. 1068
lgado, V. L. 4987
lih, N. E. 3875
likhov, Sh. I. 1115
limuzzaman Siddiqui 2732, 4974
linas, E. 944
liu, J. K., Jr. 5044
liwanchik, D. 4774
lles, C. A. 3948
llum, M. A. M. 1388, 3582, 5586, 5606
lome, C. M. 4354
lomón, D. O. 5504
lomon, O. D. 2915
lorio, M. L. Fandiño- 5491
luzzo, J. F. 3894
lvatella, R. 44
lvo, A. 4442
man, D. 5410
maniego, N. A. 5008
mbasiva Rao, K. R. S. 5003
mish, M. 1401
mpedro, J. 2145, 2850
mpieri, F. 3863
mra, Z. 2537
mšić, K. 4313
mson, G. 3364
mson, R. A. 865
muel, D. 373
muel, M. 5971
muel, W. M. 3171, 5298
muelsen, O. B. 4077
muelson, D. W. Stanley- 3452
nchez, C. 4314-4315
nchez, E. I. 5001
nchez, F. G. 1257
nchez, F. J. 3520
nchez, J. 419
nchez, J. Ruiz- 5883
nchez, N. de 2195
nchez, T. E. 5008
nchez-Acedo, C. 4316
nchez-Jofré, J. M. Avila 5777
nchez-Piñero, F. 3097
nchika, K. 5273
ncho, E. 5748
ndeman, R. M. 3069
nders, M. F. 3547
ndhu, H. S. 3367, 5430
ndler, C. 1081
ndner, H. 3330
nds, M. 2317
ndström, G. 3252
ng, V. Y. 4186
ngvaranond, A. 5103
ngwan, A. K. 5824
ni, R. A. 4579
nite, L. 3621
n'ko, L. F. 1847
nta-Cruz, M. C. 4737
nta Rita Viera, H. 5158
ntafianos, D. 3345
ntilio, A. 4513
ntis, L. de 48
ntos, B. S. 5596
ntos, E. C. dos 4075
ntos, J. R. dos 46
ntos, M. A. 3840
ntos Abreu, E. 2421
ntos Costa, A. J. dos 2379
ntos Dias, J. A. Travassos 5672-5680, 5682-5684, 5688-5689, 5812, 5816-5820
nusi, I. D. 69
pp, R. 460
pur, A. M. Al- 4992
rassi, A. 1108
raswathi, L. 2752
razin, M. J. 868
rda, R. K. 3880
Sardana, R. 5230
Sardelis, M. R. 947, 2160, 3163, 4616
Sareen, M. L. 3089
Sarkar, P. K. 542, 1024, 1028, 2982
Sarma, P. R. 3352
Saroj 3565
Sarov, B. 3251
Sarov, I. 3251
Sasa, M. 83, 1089, 2423, 5259
Sasaki, H. 5668-5669, 5686
Sasaki, M. 1940, 4063
Sasao, M. 1484
Sasinovich, L. M. 1677
Sass, H. 24, 1320
Sastry, K. V. 5971
Satchidanandam, V. 5749
Satija, K. C. 3856
Sattar, S. A. 5647
Sattelle, D. B. 3355, 3505-3506, 3512, 5952
Satyanarayana, K. 5417
Sauer, J. R. 1534, 1960-1961
Sauerman, D. M. 3550
Saul, S. J. 578, 1070, 4727, 5038
Saultz, J. 362
Saunders, D. S. 5238, 5242
Saunders, G. A. 1396, 3589
Savage, A. A. 56
Savage, E. P. 5020
Savakis, C. 3454
Savel-Niemann, A. 1172, 1615
Savitz, D. A. 5015
Savosina, N. S. 2052, 2594
Savukinas, D. 4926
Sawaf, B. M. El- 5188, 5646-5647
Sawicki, R. M. 403, 1887
Sawyer, M. 3907
Sawyer, M. M. 4669
Saxena, R. C. 2940
Saxena, V. K. 558, 665
Saxena, V. S. 2753, 5524
Sayed, S. El- 3023
Sayer, P. D. 1451
Sbravate, C. 3967
Scaffidi, A. 4441
Scaffidi, L. 4441
Scaife, J. G. 2225
Scaltrito, D. 5717
Scarano, F. Gonzalez- 5894
Scarff, D. H. 4829
Scarлата, F. 4415, 4439-4440
Schaaaf, K. F. 787
Schaaalje, G. B. 4550, 5408
Schachter, J. 4430
Schaefer, C. H. 436, 4625
Schaeffer, D. J. 2630
Schaeffer, J. M. 2554, 5883
Schaffer, C. B. 5007
Schaffer, D. D. 2768
Schaik, N. van 3608
Schal, C. 919, 1743, 2875, 2890, 3518, 4562-4563, 5474
Schalkwyk, P. C. van 4808
Schaner, P. J. 5050
Schantz, S. L. 5025
Scharrer, B. 6, 31
Schatz, H. 3838-3839
Schatz, I. 3838-3839
Schaub, G. A. 46, 492-493, 1338, 2926, 3434, 3539, 4585, 5089
Schauman, K. 4425
Schcherbats'ka, N. V. 2448
Scheede, S. 3540
Schein, E. 2543, 3187
Scheinmann, P. 264, 271
Schelhaas, D. P. 1778
Scheller, K. 1893
Schels, H. F. 2475
Schembri, P. J. 4374
Schenone, H. 370
Schettino, P. M. S. 1763, 2194
Schewe, S. 2611
Schibel, J. 1857
Schick, R. O. 2518
Schierz, G. 2611
Schildknecht, H. 2733
Schilly, D. 460
Schink, H. E. 5792
Schinkmann, K. 4537
Schipanov, N. N. 1010
Schirf, D. Nasr- 2936
Schirf, V. 4177
Schirf, V. R. 2936
Schirmacher, W. 2011
Schlein, Y. 2356, 3001, 3296, 5456
Schlepper, R. 4204
Schlesinger, M. 42
Schlettwein, C. H. G. 5422
Schlinger, E. I. 71
Schmahl, G. 4869
Schmidt, A. 5473
Schmidt, C. D. 5703
Schmidt, E. 304
Schmidt, E. R. 237, 1092
Schmidt, G. 1175
Schmidt, J. 3097
Schmidt, J. M. 1800
Schmidt, J. O. 1517
Schmidt, P. J. 1517
Schmidtman, E. T. 1473, 5224
Schmitz, D. G. 4754
Schmitz, M. 603
Schmutterer, H. 2075
Schmutzhard, E. 4423
Schnack, J. A. 51
Schneeyour, A. 1275
Schneider, A. 883
Schneider, C. R. 1182
Schneider, I. 5588
Schnepf, H. E. 2678
Schnitker, A. 4585
Schnoor, J. L. 4073
Schnur, L. F. 3296
Schoeberl, K. 1709
Schoeneck, L. J. 4548
Schoepp, R. J. 2983
Schoeppner, R. F. 110
Schofer, F. S. 5014
Schofield, C. J. 3280, 4496
Schöl, H. 4790
Scholl, P. J. 1914, 5250
Schols, D. 5066
Scholten, P. M. 3857
Scholtens, P. 522
Scholtz, C. H. 596
Schon, W. P. 176
Schoof, H. F. 2839
Schoofs, L. 5724
Schooley, D. A. 1113, 5457
Schooneveld, H. 2154
Schöpf, E. 2531
Schossier, N. 4843
Schoub, B. D. 497
Schowen, R. L. 5949
Schreck, C. E. 75, 85, 968, 970, 1405, 2262
Schreiber, E. T. 82, 131, 961, 2341
Schreier, A. B. 5387
Schriefer, M. E. 3168
Schrock, J. R. 275
Schröder, J. 1577, 4808, 5841
Schröder, P. 189-193
Schröder, S. 3252
Schroeckenstein, D. C. 253
Schroeder, J. M. 1002
Schuetz, M. J. C. 5499
Schuler, M. M. 4051
Schuller-Petrovic, S. 928
Schultka, H. 2387
Schultz, G. W. 2293, 3553
Schultz, K. T. 4399
Schultz, M. G. 4457
Schultze-Werninghaus, G. 4336
Schulz-Key, H. 2652
Schulze, H. 2364
Schulze, T. L. 4923, 4925
Schumaker, T. T. S. 5815
Schumann, H. 2387-2388
Schurr, G. A. 3379
Schuster, J. 4525
Schuster, R. 1157
Schütt, S. 3743
Schutz, S. J. 1862, 3040
Schuytema, G. S. 2760
Schwalbach, J. 5607
Schwan, T. G. 1344, 1565-1566, 3254, 5302, 5379
Schwantes, P. A. 1459, 3649
Schwantes, U. 4217, 5226
Schwartz, B. 4834, 5866
Schwartz, B. K. 503
Schwartz, D. A. 429
Schwartz, E. 1547
Schwartz, Y. 2171
Schwarzenbach, M. 5090
Schwinghammer, K. A. 1914
Schwoebel, V. 772
Science 4660
Scirocchi, A. 1952
Scodeller, E. A. 2675
Scoles, G. A. 1505
Scordamaglia, A. 4472
Scott, D. W. 2204
Scott, G. R. 3789
Scott, J. G. 1659, 4699, 5702, 5714
Scott, J. R. 4431
Scott, M. P. 5779
Scott, R. L. 1381
Scott, S. M. 4535-4536
Scott, T. W. 102, 444, 720, 1544, 2985, 4173, 5540
Scrimgeour, G. J. 1306
Scrivener, A. M. 5067
Scudder, G. G. E. 55, 3232
Scudder, H. I. 20
Seabrook, G. R. 2385, 3655
Seabury, F. 2961
Seagar, M. J. 5272
Sears, M. R. 3307
Seawright, J. A. 79, 942, 1812, 1821, 2270, 2272, 2939, 3560, 3568, 3606, 5527, 5548
Sebastian, A. 536, 4159, 5576
Sebastian, A. A. 4163
Sechrest, J. 2698
Sedel'nikova, L. Yu. 1607
Sedlag, U. 866
Sedmak, D. D. 4919
Sedova, A. G. 1989
Seefeld, F. 2810
Seeley, D. C. 2331
Seeley, T. D. 3753
Seely, J. C. 5936
Seenappa, D. 5890-5891
Seesock, W. C. 5016
Seganti, L. 2583
Seger, C. L. 1044, 1443
Segerman, J. 498, 5585
Segura, E. L. 2909-2910, 5504
Sehgal, S. S. 538
Seiber, J. N. 2086, 5026
Seibold, G. 3649
Seifert, P. 1498
Sein, M. M. 5576
Sein Min 537
Seinhorst, J. W. 1052
Seitz, H. M. 2014, 3610
Şeker, Y. 695
Şeketeli, A. 4206
Sekeyová, M. 357
Sekla, L. 1209
Sela-Perez, M. C. 5489-5490
Sclander, R. B. 1106, 1504
Selenka, F. 5966
Self, L. S. 4158
Seligy, V. L. 2677, 5932
Selim, M. K. 2635, 3699
Selinger, L. B. 379
Selinger, Z. 1073, 5726
Selinsky, B. S. 4010
Selisskii, G. D. 5977
Selivanova, A. S. 504
Sella, P. B. 1275
Sellers, R. F. 524, 551, 2247, 5177, 5208
Selmi, M. G. 2182
Selva, J. M. 5485
Selvanayagam, M. 4149
Selvarajan, V. R. 4508
Semakula, L. M. 3055
Semashko, I. V. 5897

- Semenov, B. F. 5896
 Semenova, S. A. 614, 1107
 Semensi, V. 1070, 4729, 5038, 5721
 Semprevivo, L. H. 1648
 Sen, A. B. 5159-5160
 Sen, A. K. 546
 Sen, K. 1233
 Senaldi, G. 4437
 Senanayake, N. 427, 431-432
 Senger, E. 2115
 Senra, M. S. 3000
 Sensel, H. 1335
 Senthamizhselvan, M. 1120
 Seo, J. S. 1225
 Seppälä, I. 4425
 Sequoia, D. 2015
 Sergieva, V. P. 1842
 Sérié, C. 3296
 Serov, V. M. 808
 Serra-Tosio, B. 1497
 Serrano, M. J. 365
 Setasuban, P. 4876
 Seth, P. K. 2779, 4996
 Sethunathan, N. 2792
 Seureau, C. 2472
 Seurinck, J. 3950
 Sevala, V. L. 5068
 Sevastianov, V. D. 2001
 Sevast'yanov, V. D. 2001, 2520
 Severin, N. V. 5167
 Sewall, M. 1205
 Seward, R. L. 4963
 Seymour, P. R. 4092
 Sferlazzo, A. 2060
 Sgarrella, F. 381
 Shaddock, J. A. 4951
 Shadwick, R. 1725
 Shaffer, K. R. 2786, 5947
 Shafquat, J. 1176
 Shagov, E. M. 2066, 4480
 Shah, P. 2623
 Shah-Majid, M. 4579
 Shaheed, Y. Abd-El 2106
 Shaheen Faizi 2732, 4974
 Shahmohammadi, H. 91
 Shaikh, A. G. 4836
 Shaker, N. 2106, 2758
 Shakhmaeva, O. P. 353
 Shalajeva, N. 1522
 Shalan, A. A. Al- 374
 Shambwana, I. 776
 Shampengtong, L. 1803, 2970
 Shamseldeen, M. M. 3970
 Shanahan, C. M. 3864-3865
 Shankara, C. R. 2763
 Shapiro, A. M. 3447
 Shapiro, J. 3229
 Shapiro, S. Z. 1530
 Shapovalov, D. S. 3954, 5941
 Sharif, F. A. 3319
 Sharifi, L. 1955
 Sharkey, A. G., Jr. 4074
 Sharlai, M. M. 1638
 Sharma, C. B. 4082
 Sharma, C. K. 999
 Sharma, G. K. 174, 2648
 Sharma, H. 1483
 Sharma, H. N. 3334
 Sharma, K. M. L. 4307
 Sharma, L. D. 836, 5429
 Sharma, R. C. 997-998, 2294
 Sharma, R. P. 856
 Sharma, R. S. 1364
 Sharma, S. K. 539, 935, 2311
 Sharma, S. P. 2648
 Sharma, V. P. 76, 541, 545, 935, 995, 997-998, 1000, 1365, 2294, 2311, 3611
 Sharmila, M. 2792
 Sharp, B. L. 164, 505, 1385, 5529
 Sharrad, R. D. 4794
 Shasha, B. S. 2088
 Shataeva, G. A. 4710
 Shauger, A. 3942
 Shavulimo, R. S. 3855
 Shaw, A. P. M. 4462
 Shaw, E. E. 4928
 Shaw, S. R. 3053
 Shcherbakov, S. V. 3806
 Shchipakin, V. N. 5897
 Shearin, M. D. 1727
 Sheffield, C. L. 575, 1883
 Shehata, M. G. 5188, 5646
 Sheikh, B. 3890
 Sheikh, N. A. 1143
 Shekarchi, I. C. 3907
 Shelby, K. S. 1534, 1961
 Shelley, A. J. 194, 4201, 4684
 Shelley, E. D. 315, 902
 Shelley, R. M. 4373
 Shelley, W. B. 315, 902
 Shelton, M. J. 4889
 Shemanchuk, J. A. 802
 Shemesh, I. 2103
 Shen, E. L. 4903
 Shen, H. D. 4167
 Shen, S. B. 1321
 Shen, Y. M. 3852
 Shen, Z. L. 2243
 Shenawy, M. A. El 3394
 Shenton, F. C. 982
 Shepard, T. G. 69
 Shepherd, A. J. 763, 2049, 4393, 5376
 Shepherd, S. P. 763
 Sheppard, D. C. 1059, 4697, 5276
 Sheppard, J. 4430
 Sheppard, R. N. 4979, 4981
 Sheppard, W. S. 1506
 Sherbrooke, W. C. 1517
 Sherekar, P. Y. 3370
 Sherif, N. 1529
 Sherif, N. E. D. H. S. 5297
 Sherlock, I. 5086
 Sherma, J. 2801
 Sherman, P. W. 3753
 Sherratt, T. N. 980
 Sherstobitov, O. E. 4048
 Shevchenko, A. K. 1849
 Shi, S. F. 4824
 Shi, W. Z. 4193
 Shi, Y. 5143
 Shi, Y. L. 1222
 Shi, Z. J. 4658
 Shibasaki, M. 1665
 Shibata, K. 4050
 Shibata, T. 4347
 Shibuya, T. 5259
 Shida, T. 2536, 4334-4335, 4346
 Shidrawi, G. R. 5946
 Shieh, W. Y. 3852
 Shields, E. J. 5049
 Shields, J. 1818
 Shields, J. P. 122
 Shiels, I. A. 303, 3151
 Shiguang, Z. 2794
 Shih, T. L. 3351, 5883
 Shilov, A. A. 1010
 Shilov, M. N. 3253
 Shim, J. C. 2987
 Shimada, M. 1025
 Shimahara, T. 3509
 Shimizu, M. 390
 Shimizu, S. 2470, 2701, 4956-4957
 Shimokata, K. 5330
 Shimura, K. 2470
 Shin, T. H. 1131
 Shin, W. K. 2864
 Shinjo, G. 955, 5079, 5567, 5638
 Shinkai, T. 312
 Shinoda, S. 5273
 Shinonaga, S. 1064, 1484, 5231, 5639, 5697, 5728-5729
 Shiobara, Y. 3990
 Shiota, T. 2395
 Shiotsuki, T. 1060, 5228
 Shipp, E. 4731
 Shiraishi, A. 1900
 Shiraishi, S. 1973, 5281-5283
 Shiu, W. Y. 2086
 Slim, D. R. 1547
 Shlosberg, A. 5565
 Shmakov, L. V. 1988
 Shmidt, A. A. 2620
 Shobanov, N. A. 5755
 Sholdt, L. L. 75
 Shono, T. 4219, 5228, 5702
 Shope, R. E. 736, 2584, 4387, 4888-4889
 Shors, S. T. 3783
 Short, R. A. 9
 Short, S. B. 2785
 Shoukry, A. 5647
 Shoumar, N. F. 5188
 Shoura, S. M. El- 660, 1568, 4293
 Showler, A. T. 2865, 3775
 Shrestha, G. L. 136
 Shrestha, J. D. 136
 Shrestha, J. P. B. 136
 Shrestha, S. L. 136
 Shroyer, D. A. 2158, 4641, 5545
 Shu, K. Q. 2234
 Shubeck, P. 1502
 Shudo, C. 986
 Shudo, K. 2555
 Shukla, J. P. 1262
 Shukla, M. M. 1365
 Shukla, P. C. 5335
 Shukur, M. Al- 3511, 3513
 Shultz, J. W. 4528
 Shulyarenko, S. V. 1638
 Shurkhal, A. A. 181
 Shutidamrong, C. 3932
 Siagh, S. 4910
 Sicard, N. A. E. von. 3136
 Sick, A. 2690
 Siddikov, B. Kh. 2649-2650
 Siddiqui, B. S. 2732, 4974
 Siddiqui, S. 2732, 4974
 Sidhu, D. S. 3100
 Sidhu, S. S. 3178
 Sieber, K. P. 2153
 Sieburth, S. McN. 5420
 Siegel, J. 5292
 Siegel, J. P. 4951
 Siegel, M. M. 4501
 Siegel, N. R. 5471
 Siering, W. 2717
 Sievers, G. 3211
 Sievert, P. R. 3192
 Siewiński, A. 2383
 Sigal, L. H. 366
 Sigl, H. 2063
 Signore, R. J. 1329
 Sikes, P. J. 278
 Sileo, L. 3192
 Silfverberg, H. 3103
 Silk, P. J. 3782
 Sillans, D. 3469
 Silva, C. B. E. 130
 Silva, H. H. G. da 5496
 Silva, I. G. da 5496-5497, 5594
 Silva, L. M. de 3245
 Silva, P. A. 3307
 Silva, R. C. F. 5878
 Silva, T. D. J. D' 3342
 Silva, W. D. da 3437
 Silva-Pereira, M. C. D. 3186
 Silva-Villar, M. J. 5491
 Silveira, F. T. 3284, 3541
 Silveira, J. N. da 5596
 Silveira, J. N. da 5596
 Silveira Mezêncio, J. da 2592
 Silveira Neto, S. 1713
 Silveira Neto H. V. 5505
 Silverstein, R. M. 4982
 Sim, B. K. L. 1361
 Simeonov, S. 1685
 Simizu, K. 1270-1271, 4026
 Simmen, F. A. 1529, 2501
 Simmonds, M. S. J. 1661, 4981
 Simmonds, P. R. 93
 Simmons, K. R. 2359
 Simmons, L. W. 4701
 Simões, M. C. 3895
 Simon, J. 2215
 Simon-Martin, F. 1853, 5825
 Simon-Vicente, F. 5825
 Simonenko, N. P. 1486
 Simonis, A. 3734
 Simons, J. F. 2603
 Simonsen, P. E. 3880
 Simonsen, V. 209
 Simpson, I. H. 4500
 Simpson, R. J. 4331
 Simpson, S. J. 1896
 Simpson, S. T. 2770
 Simpson, W. J. 5464
 Sims, R. W. 2116
 Sinclair, A. N. 1325
 Sinclair, I. J. 2403, 5254
 Sinda, D. 1051, 5210, 5220
 Sinden, R. E. 2232, 2647, 4453
 Sinègre, G. 4619
 Singh, D. S. 2753, 5524
 Singh, G. J. P. 3588
 Singh, H. S. 2709
 Singh, J. 2544
 Singh, K. B. 2544
 Singh, M. P. 4022
 Singh, N. 1000, 1365, 3611, 3851, 3856, 4044
 Singh, O. P. 1000
 Singh, P. P. 4083
 Singh, S. 3851
 Singh, S. D. 2095
 Singh, S. K. 4027
 Singh, S. N. 347
 Singh, S. P. 5429
 Singh, T. J. 3367
 Singh, T. K. 1389, 5525
 Singh, T. S. 1921
 Singh, V. 5377
 Singhasivanon, P. 5358
 Sinha, R. P. 3179
 Sinha, S. R. P. 3802, 3810
 Sinitsina, E. E. 5074
 Sinsky, R. J. 668, 1562, 3798
 Sircar, P. 2753, 5524
 Sircar, S. 5423, 5425
 Siroff, M. May- 2671
 Sirota, A. R. 5964
 Sischo, W. M. 4944
 Sisodia, R. S. 774, 5335, 5803-5804
 Sissom, W. D. 2035
 Sitkiewicz, D. 1684
 Siuda, K. 1559-1560, 1570, 1963, 2481
 Sivaram, P. 2884
 Sizov, I. E. 5870
 Sjoblad, R. D. 856
 Sjogren, R. D. 3973
 Sjöström, P. 465
 Skassa-Brociek, W. 320
 Skewes, M. A. 3233
 Skibbe, K. 2630
 Skibińska, E. 613
 Skinner, J. C. 521, 2229, 5173
 Skinner, W. S. 1113
 Skirkyavichyus, A. V. 4091
 Sklyar, V. E. 2005
 Skoda, S. R. 4700
 Skóra, K. E. 1622
 Skowronski, G. 3119
 Skuratowicz, W. 4150-4151
 Skvortsova, T. M. 1010, 2594
 Slager, S. 3730
 Sláma, K. 2137
 Slansky, F. 2180
 Slater, P. E. 1643
 Slaugh, B. T. 5699
 Slawin, A. M. Z. 4979
 Slaytor, M. 5067
 Sleeman, D. P. 922
 Slinger, A. J. 483, 1729
 Slin'ko, V. N. 2774
 Sloet van Oldruitenborg-Oosterbaan, M. M. 2656
 Sloet van Oldruitenborgh-Oosterbaan, M. M. 2412
 Sloley, B. D. 905, 1740
 Slooff, R. 3974
 Smart, D. L. 1575
 Smeets, J. F. M. 687
 Smetana, A. 251
 Smialek, J. E. 5735
 Smiley, R. L. 3195
 Smirnova, L. 1522
 Smirnova, S. E. 1989
 Smirnova, S. N. 2079

- rnova, T. A. 2068, 3952, 404
th, A. F. 3518
th, A. R. Westgarth- 897
th, B. J. 4143
th, B. M. 80-81
th, B. P. 4823, 5320, 5322
th, C. L. 1733
th, D. C. 2147
th, D. E. 3814
th, D. F. 3016, 3020
th, D. L. 4976
th, G. 3562
th, G. C. 952, 1357, 2250
th, G. S. 2099
th, I. Humphery- 664
th, I. M. 310, 5319, 5321, 5858
th, J. 4592
th, J. A. 2696
th, J. F. 3894
th, J. J. B. 1800
th, J. L. 3248
th, J. P. 93, 1456, 4696, 547
th, K. A. 2023
th, K. G. V. 592, 3423, 766
th, K. L. 4008, 4919
th, L. A. 3862
th, M. H. 1394
th, P. 3021
th, P. J. S. 22-23, 3515, 567
th, P. M. le B. 5373
th, R. A. 2784
th, R. D. 1283, 4791
th, R. E. 642
th, R. L. 451, 5796
th, R. M. 2111
th, R. P., Jr. 5814
th, S. A. 1354, 4143
th, S. L. 5419
th, S. M. 1041
th, T. J. Ridsdill- 219, 227
th, V. 4674
th, W. A. 4427
th, W. W. 2842
its, J. M. M. 3350
its, P. H. 3956
oczynski, S. 5023
olíková, J. 5410
ukalla, R. 1494
wder, J. E. 4021
jders, J. M. A. 687
ddy, E. L. 5291
ow, K. R. 525
ow, R. W. 982, 991, 1382, 972, 4156
ydeelaar Hardwicke, A. C. 576-577
yerman, R. 5788
B. J. 3858
P. M. 3687-3688
res, A. B. 5158
res, F. A. 5158
res, G. G., Jr. 1652
res Barata, J. M. 2193
han, M. A. 5430
oleva, R. G. 2369
otka, A. Kagey- 4942
ótka, W. 1464, 1655, 2737
rier, M. L. 881
raciu, C. 302
ha, R. 1668
la, K. 1234
eoka, M. 1665
erlund, D. M. 3654, 3981, 011, 5970
erlund, R. 2796
erström, O. 250
hi, S. K. 3100
A. K. 1955
kiman, S. 1376-1377
fer C., I. 644
adi, A. R. 3072
ár, P. 5012
kar, I. 4296
olov, P. N. 1780
olov, V. B. 4710
Sokolov, V. E. 5350
Sokolov, V. M. 2581
Sokolova, M. I. 1840
Sokolova, T. V. 2541, 5870-5871
Sokolova, T. Yu. 1781
Sokolova, Yu. Ya. 3326
Sola, L. Boggio- 5751
Solano, M. E. 240
Solarz, K. 1594
Solarz, N. 5504
Soldán, T. 4112
Sole, G. de 3037
Soler, M. 3892, 4375
Soler-Cruz, M. D. 3066
Solervicens, J. 4526
Soliman, A. 4296
Soliman, A. K. 2619, 3912
Soliman, B. A. 5140
Soll, M. D. 290, 313, 4965
Solomon, L. 4321
Solopov, N. V. 3704
Solter, L. F. 1502
Somachary, N. 5445
Somboon, P. 2991
Somchit, L. 4662
Somlyay, I. M. 2767
Sommariva, F. 4238
Somme-Martin, G. 881
Sommer, J. R. 2644
Sonenshine, D. E. 655, 1563, 2508, 3164, 3168, 3803, 5867
Song, C. C. 2243
Song, J. M. 2244
Song, L. Z. 1321
Song, Q. S. 5124
Soni, I. 1267
Soni, K. G. 3564
Soni, R. 4993
Sonnendecker, E. W. W. 361
Sonnex, T. S. 3702
Sonoda, M. 600
Sonoga, A. L. 3859
Soomrp, G. H. 4836
Soós, A. 2824, 3432
Soós, K. 5012
Soper, R. S. 2835
Sorensen, A. A. 2461
Sorensen, D. 3239
Sørensen, L. Halkier- 3914
Soreq, H. 5978
Sorokina, Z. S. 3253
Sorsa, V. 3403-3404
Sosiński, J. 2047
Sosnina, N. A. 2556
Sota, T. 987
Soto, R. 5979
Soulages, J. L. 2197, 5494
South Africa, Entomological Society of Southern Africa 2832
Southcott, R. V. 3120, 3305, 3835, 3937
Southgate, B. A. 5392
Souza, A. A. A. de 3284, 3541
Souza, F. T. P. de 1452
Souza, P. S. de 45
Souza, W. de 4407
Souza Bernardes, D. de 3005
Souza Garcia, E. de 1337
Souza Lopes, O. de 351
Sowa, S. M. 2176
Spalding, J. B. 3449
Spanedda, L. 4514
Sparagana, S. P. 2138
Spark, R. 5137
Sparks, T. C. 3982, 5701
Spates, G. E. 575-576, 1883
Specht, H. B. 5850
Speight, M. R. 606, 4479
Speit, G. 2781
Spektor, M. R. 608
Spence, J. R. 5092
Spence, M. R. 3938
Spencer, H. C. 4648
Spencer, J. A. 5598
Sperber, J. 39
Sperk, G. 3510
Sperlich, D. 4749
Sperling, F. A. H. 5092
Spezialetti, R. 2604
Spickett, A. M. 5845
Spiegel, A. 5369
Spielman, A. 464, 668, 1964, 1974, 2488, 3149, 3176, 3184, 3797, 4306, 4802, 5172, 5285, 5288, 5811
Spigel, G. T. 1479
Spindler, K. D. 5415
Spindler-Barth, M. 3456, 5415
Spir, M. 5910
Spires, L. Starr- 2498
Spiridonov, S. E. 3327, 3969
Spirito, S. 5753, 5873
Spitsyn, S. V. 5917
Splisteser, H. 4793
Spoehel, J. J. 4644
Spofford, M. G. 3686
Sponsler, R. C. 2183, 2877
Spradbery, J. P. 272, 1066, 4234
Sprague, V. 2706
Spratt, D. M. 2471
Sprenger, D. 84, 3604
Spring, J. H. 279-280
Spring, K. 4288
Spring, W. J. 5881
Spruill, C. 2060
Sprydzha, D. R. 2774
Squiban, A. Baeza- 4017, 5773
Srikanth, N. S. 4996
Srinivasan, A. 3891
Srinivasan, M. V. 5248
Sriram, R. 382
Sriskantha, A. 4288
Srivastava, A. 4022
Srivastava, A. K. 2777, 2777, 5010, 5431
Srivastava, P. S. 3802, 3810
Srivastava, R. C. 2567, 4141
Srivastava, R. N. 4361
Srivastava, V. S. 2753, 5524
Srivatsan, J. 5695
Ssenyonga, G. S. Z. 3052
Staak, C. 1043
Stablein, J. J. 3780
Stacey, N. A. 5414
Stachurski, F. 646
Stack, A. E. 3129
Stacke, A. 5472
Stadnicki, T. 1467
Stafford, C. T. 4281, 4771
Stafford, K. 4210
Stahly, S. M. 1516
Stähr, B. 1606
Stahr, H. M. 805
Staiti, A. 2540
Staley, E. 4060
Stamatiadis, S. 2521
Stamer, M. 184
Stamper, J. H. 5019
Stampfer, J. F. 1246
Standfast, H. A. 727, 752
Stanek, G. 4905, 4907
Stanfill, P. S. 521, 2229, 5173
Stanko, M. 305
Stanley-Samuelson, D. W. 3452
Stansfield, D. G. 3696
Staples, R. C. 3963-3964
Stara, J. F. 3392
Starilova, S. V. 437, 2109
Stark, H. 4841
Stark, W. S. 460
Starr, C. K. 615, 2440
Starr-Spires, L. 2498
Startin, J. R. 2110
Startseva, G. G. 300
Staskiw, W. 1209
Staszynska, M. 4133
Staunton, D. 1628
Stavenga, D. G. 1073, 3062, 3672, 5726
Stay, B. 480, 1732, 1744, 5057
Stear, M. J. 2514
Stebbing, H. 885
Stebbins, T. D. 340
Steel, C. G. H. 1773, 2196, 4240
Steele, G. M. 3175
Steele, J. E. 1724-1726, 5068
Steelman, C. D. 602
Steere, A. C. 1640, 2057, 4429
Steere, A. S. 3275
Stefano, G. B. 6
Stefanovic, S. 4948
Stehr-Green, P. A. 4067
Steigerwalt, A. G. 2610
Stein, M. B. 4285
Steinbrecht, R. A. 4527
Steiner, J. 3662
Steiner, R. F. 887
Steinhart, H. 342
Steinke, W. E. 118
Steinkraus, D. C. 4322, 4711, 5597
Steinly, B. A. 5528
Steinmetz, P. 2629
Steinwandter, H. 4516
Stella, E. 1977
Stelmaszyk, Z. J. 1340
Stephen, P. 4725
Stephenson, J. R. 2595, 2599
Sterling, P. H. 606, 3110
Sterling, W. L. 701
Stern, J. K. 3190
Sternberg, J. 2372
Stetter, D. 1286
Stevens, W. J. 3207
Stewart, A. J. 421
Stewart, G. A. 4328-4329, 4331, 4352, 5868
Stewart, J. P. 1390
Stewart, N. P. 303, 3151
Steyskal, G. C. 5981
Stich, R. W. 3791, 3821
Stiernstedt, G. 3917
Stieve, H. 5726
Stiles, J. K. 1447
Stiller, D. 1571, 3792
Stimac, J. L. 4778
Stingl, P. 1223
Stinner, R. E. 5223
Stinson, S. 2644
Stirling, H. P. 3489
Stock, J. H. 2564
Stockner, R. F. 4247, 4527
Stockwell, S. A. 2030, 2033
Stoeckel, M. E. 4548
Stoffolano, J. G., Jr. 1897, 1908, 1911, 3041, 5244
Stoka, A. 142
Stoka, A. de la Merced 442
Stoka, A. M. 1664, 2081, 2915, 2920, 2923, 3407-3408
Stokes, C. 5705
Stokes, P. M. 3721
Stoll, T. 4504
Stollar, V. 138, 4175, 4408, 5564
Stollmann, A. 285-286
Stone, B. F. 1142, 1532, 3170, 4299, 5284
Stone, J. F. 805
Stone, J. V. 3473
Stone, M. S. 1586
Stone, R. K. 4837
Storch, V. 3234
Storey, G. K. 4638
Storey, R. I. 598
Stork, N. E. 891
Stoskopf, M. K. 5065
Stover, C. K. 2626
Stoya, G. 4565
Stoyanov, B. G. 5977
Stoydin, G. 2771
Straka, V. 196
Straley, S. C. 2627
Strambi, A. 5041
Strambi, C. 5041
Strassmann, J. E. 621
Stratton, J. W. 1690
Strauss, A. 4529
Streinu-Cercel, A. 766
Strelkova, M. V. 181
Stricker, K. W. 3169
Strickman, D. 89, 951, 2257, 3583, 4180, 4617
Strobert, E. 5173
Stromberg, P. C. 5338

- Strong, L. 1476
 Strong, M. B. 3685
 Strong-Gunderson, J. M. 4705
 Strother, G. R. 2183
 Struhar, D. 2171
 Struhl, G. 4531
 Struppe, T. 4606
 Stubbs, H. A. 4797
 Stucki, M. 2447
 Studdert, V. P. 2203
 Studer, D. 791
 Stusek, P. 4730
 Styczyńska, B. 1464, 1655
 Su, H. C. F. 1253
 Su, J. 1360
 Su, L. 5556
 Suarez, M. F. 964, 2960, 4622
 Suarez, O. 5610
 Subbarao, S. K. 76
 Subber, A. H. 4597
 Subbotina, L. B. 356
 Subburaju, S. 4508
 Suber, E. F. 1248
 Subrahmanyam, B. 3536
 Subrahmanyam, D. 516
 Subramanian, S. 2653, 4664, 5165
 Subramanyam, V. R. 1422
 Suchanek, G. 4907
 Sucharit, S. 983, 5186
 Südi, J. 3393
 Sudia, W. D. 895
 Sudo, H. 5761
 Suenaga, O. 5164
 Sueur, D. le 164, 505, 5529
 Sugai, T. 1255
 Sugamata, M. 4383
 Sugawara, K. 2506
 Sugita, M. 5725
 Sugiura, H. 312
 Sugiyama, E. 1064, 5728-5729, 5731
 Sugiyama, T. 3871
 Sugumaran, M. 578, 1070, 2126, 3455, 4537, 4727, 4729, 5038, 5721
 Suguna, S. G. 1003
 Suguri, S. 1089
 Sujak, P. 2737
 Sukhacheva, G. A. 2466
 Sukhorada, E. M. 5571
 Suko, M. 4345
 Sukumar, K. 5417
 Sukumaran, D. 814
 Sulaiman, S. 3072
 Suleman, M. 1336
 Sullivan, J. J. 707
 Sultana, M. 4511
 Summerlin, J. W. 3752, 4262
 Summers, P. L. 3246, 4165, 4381, 4405
 Sun, C. D. 4195
 Sun, J. 1284
 Sun, X. 4356
 Sun, Y. C. 1806
 Sundara Bai, A. 5890
 Sundaram, A. 2076-2078, 2749, 4007
 Sundaram, K. 3975
 Sundaram, K. M. S. 798, 2076-2077
 Sundseth, S. S. 2722, 5772
 Sundukov, O. V. 2169
 Suntayakorn, S. 3887
 Suntio, L. R. 2086
 Suomi, D. 2437
 Supardi, P. 2260
 Supekar, P. G. 5335
 Superti, F. 2583
 Sur, B. 2689
 Surathin, K. 5186
 Surender, P. 496
 Surendran, N. S. 4940
 Surgeoner, G. A. 1210, 2390, 5704
 Surinder 3563
 Survillo, A. V. 3253
 Suss, E. 1073, 5726
 Šustek, Z. 2402, 3751
 Šutáková, G. 658, 2502, 2504
 Suteu, E. 302
 Sutherland, D. J. 84
 Sutherland, S. K. 3118, 4851, 5882
 Sutherst, R. W. 667, 1066, 1135-1136, 2497, 4289, 5399, 5806
 Suto, C. 911
 Suto, T. 367, 1642
 Sutton, E. 2728
 Suwanpanit, P. 2296, 5120
 Suzuki, A. 458
 Suzuki, H. 1345, 1433, 5153
 Suzuki, K. 4640
 Suzuki, T. 1317, 2343, 2932, 5331
 Suzzoni, J. P. 626, 1117
 Svendsen, A. 2744
 Svendsen, U. G. 2454
 Svenungsson, B. 2479
 Svetoch, O. E. 5405
 Sviderskiit, V. L. 2127
 Sviridov, G. G. 1780
 Svoboda, J. A. 3453
 Svoboda, M. 3837
 Swamy, K. G. 2392
 Swan, A. 4731
 Swan, G. E. 290
 Swanepoel, R. 757, 763, 1184
 Swanson, M. C. 262, 325, 4132
 Swar, T. B. 136
 Sweeney, A. H. 3255
 Sweeney, A. W. 3593-3594
 Sweeney, K. J. 100
 Sweet, M. H. 1836
 Swieten, P. van 372
 Swift, A. 3021
 Swift, D. M. 4536
 Syabbalo, N. C. 3844
 Syafuddin 5151
 Symons, L. E. A. 5030
 Szadzińska, M. M. 528
 Szadziński, R. 528, 553-555, 1425
 Szajerski, M. E. 1487
 Szczęśna, E. 1462
 Szczęśna, Z. 1331
 Szeberenyi, M. J. 1681
 Székács, A. 5950
 Szeleszczuk, P. 2019
 Szent-Iványi, T. 771
 Szerletics-Turi, M. 5012
 Szulmajster, J. 381, 386, 5935
 Szumlas, D. E. 5211
 Szyfres, B. 3400
 Szykuła, J. 5411
 Szymański, S. 1555
 Szymański, W. 1111
 Tabachnick, W. J. 1409, 2347, 2997
 Taber, S. W. 627, 634
 Tabu, N. O. 3643
 Tachibana, H. 1484
 Tada, I. 1025, 1345, 1433, 1439
 Tadano, T. 939, 1370
 Tafforeau, M. 4278
 Tafi, I. 4597
 Taggart, I. 3860
 Tagi-zade, T. A. 4115
 Taha, T. O. 584
 Tahori, A. S. 3575
 Tait, A. 2372
 Tait, W. E. 5435
 Tajbakhsh, S. 2677, 5932
 Taka, S. M. Abo- 2516
 Takach, K. 3845
 Takada, Y. 390
 Takagi, M. 2932, 5132-5133
 Takahashi, M. 986, 986, 1153, 5081, 5081, 5155
 Takahashi, R. M. 114, 125
 Takahashi, S. Y. 2136
 Takahashi, T. 3991
 Takahasi, H. 1042
 Takaiishi, H. 4002
 Takamura, K. 826
 Takaoka, H. 1025, 1029, 1345, 1433-1435, 1439, 5189, 5206
 Takashima, I. 2949, 3571
 Takasu, T. 4383
 Takeda, S. 5742-5743
 Takei, Y. 5809
 Takeishi, M. 2545
 Takemoto, T. 3990
 Takeuchi, T. 3434
 Takeya, R. 1060, 5228
 Takiuchi, K. 5412-5413
 Takken, W. 1450, 2271
 Tamarina, N. A. 900
 Tamayo, M. 2936
 Tammariello, R. F. 1406
 Tamura, A. 367, 2608
 Tanaka, A. 4128, 5059
 Tanaka, K. 4643
 Tanaka, S. 3689, 5236
 Tanaka, T. 1484, 5065
 Tandon, B. N. 762
 Tandon, N. 5058
 Taneda, K. 5093
 Tang, L. Y. 4371
 Tang, R. B. 685, 4351
 Tangle, L. 1647
 Tani, K. 1642
 Taniguchi, E. 3999-4000
 Tanningher, M. 2098
 Tanner, R. J. 1800
 Tano, Y. 925
 Tanskul, P. 3165
 Tao, L. 5076
 Tao, Z. H. 2224
 Taran, N. G. 2982
 Taranik, K. T. 3701
 Taraschewski, H. 4869
 Tarasevich, I. V. 5917
 Tarasov, M. A. 3253
 Tardieux, I. 1310
 Tarimo, C. S. 3047
 Tarimo, S. A. 1045, 2375
 Tarimo Nesbitt, S. A. 5218
 Tärnvik, A. 3252
 Tarrant, C. A. 3567
 Tarry, D. 2413
 Tarry, D. W. 2403, 3696, 5254
 Tartar, A. 1616
 Taşçı, S. 5311
 Tassi, P. 5717, 5753-5754
 Tatchell, R. J. 4298
 Tateda, H. 3504
 Tatem, J. 4175
 Tawfik, M. F. S. 4147, 4160
 Tay Zavala, J. 1763
 Tayaputch, N. 1284
 Taylor, A. J. Newman 4832
 Taylor, D. B. 1485, 3693
 Taylor, D. S. 2287
 Taylor, F. 3449
 Taylor, H. R. 2055, 3916, 4916, 5207, 5382
 Taylor, J. P. 1214
 Taylor, P. 946
 Taylor, P. D. 1041
 Taylor, R. A. J. 3055
 Taylor, S. A. 1357
 Taylor, S. M. 4305
 Taylor, T. N. 3324
 Taylor, W. A. 2723
 Taylor, W. P. 346
 Taylor-Lewis, E. G. 565, 1450
 Tealdo, E. 4061
 Tecle, B. 1250
 Tee, R. 4243
 Tee, R. D. 4832
 Teel, P. D. 5295
 Tejada, A. W. 5008
 Tejada M., L. O. 820
 Tejada, A. L. 5609
 Tekaia, F. 3205
 Telford, S. R., III 1964, 1974, 2488, 3181, 3184, 5811
 Telford, S. R., Jr. 2236
 Tellam, R. 4288
 Tellam, R. L. 669
 Tembely, S. 770
 Temeyer, K. B. 384, 586, 3707, 4733
 Temiraliyeva, G. A. 363
 Tempelis, C. H. 4644
 Tenabe, S. O. 4686
 Tenabene, A. 1160, 4353
 Tendeiro, J. 5483-5484
 Tenenbein, M. 3338
 Teng, P. S. 2161
 Teninges, D. 1226
 Tenquist, J. D. 4848
 Tenter, A. M. 4287
 Teodor, B. 5409
 Terada, E. 4350
 Terán Mogro, G. 3382
 Terayama, T. 312
 Terra, W. R. 1057, 1764, 1766, 1882, 4708, 5035
 Terry, D. 4834
 Terry, R. J. 4931
 Terskikh, I. I. 2052, 2594
 Teruoka, A. 3991
 Terwilliger, G. A. 1640, 4426
 Tesfayohannes, T. 5487
 Tesh, R. B. 556, 746, 1430-1431, 1855, 2344, 3006, 4673, 4936, 5191, 5199-5201
 Teskey, H. J. 70
 Tester, M. 4484
 Tewari, R. R. 1074-1075
 Tewari, S. C. 1003, 5580, 5583
 Thaller, R. M. 3217
 Thanasripukdikul, S. 535
 Thande, P. C. 2305-2306
 Thappa, R. K. 3360
 Thatcher, V. E. 337, 4863-4864
 Thatte, S. 704
 Thavara, U. 5133
 Thebtaranonth, Y. 4975
 Thein, S. 4163
 Thibon, M. 772
 Thiebold, J. J. 2172
 Thien, L. B. 3129
 Thier, H. P. 864
 Thierry, R. 4353
 Thiet, W. 4755
 Thiollet, M. 264
 Thiruthallanathan, R. 4846
 Tho, Y. P. 4286
 Thomas, D. B. 3073, 3670, 5234, 5240
 Thomas, D. B., Jr. 3692, 4144
 Thomas, G. 203, 205, 210-211, 3663
 Thomas, G. D. 1456, 4696, 4700
 Thomas, G. M. 3971
 Thomas, J. M. F. 1127
 Thomas, P. 3632
 Thomas, P. T. 856
 Thomas, R. E. 1344, 5302
 Thomas, W. B. 5796
 Thomas, W. P. 867
 Thomas, W. R. 4329, 4331
 Thompson, B. H. 186-188
 Thompson, D. J. 1099-1100
 Thompson, E. 1096
 Thompson, H. A. 3268
 Thompson, J. 4341
 Thompson, J. L. Cloudsley-2815
 Thompson, M. A. 119
 Thompson, R. A. 783
 Thoms, E. 4592
 Thomsen, W. J. 3225
 Thomsett, L. R. 4107
 Thomson, G. R. 571
 Thomson, I. M. 1201
 Thomson, M. C. 3032, 3035
 Thomson, P. Roberts-3119
 Thomson, R. C. Muirhead-1061
 Thomson, W. T. 4087
 Thon, B. 5727
 Thoney, D. A. 2563
 Thong, Y. H. 1142, 3170, 4299, 5284
 Thorne, C. B. 4481
 Thorne, L. 2693
 Thornton, D. 1173
 Thornton, S. A. 4427
 Thorpe, A. 3680, 4718
 Thorvilson, H. G. 2461, 4285, 4772

- u, M. M. 5576
 urmond, M. C. 4890
 an, Q. Y. 2512
 ar, M. 4910, 5378
 eri, R. 3104, 3107-3108
 chy, H. 4243
 dwell, M. A. 4616
 elsch, J. M. 5382
 ernes, J. 4225
 ernes, L. A. 930
 eszen, K. L. 2072
 etze, N. S. 2281, 2963, 5538
 asingh, E. S. 979-980,
 1420, 5136
 kku, K. 3360
 ak, S. T. 5328
 mant, L. 2444
 ton, R. C. 2624
 ve, G. H. 704
 chak, R. L. 3246
 nm, R. M. 1324, 1503
 mofeeva, N. T. 1688
 ngfa, D. 2794
 nk, A. R. 3245
 rado, M. G. Guzmán 348
 schler, M. 3351
 shchenko, L. G. 2463
 one, L. 4415
 ensor, A. M. 3547
 veron, M. C. 2399
 achuk, L. P. 2046
 be, S. S. 1730, 1732-1733,
 1897, 3518
 dard, R. 4418
 dd, K. S., Jr. 2755, 5292
 dd, M. J. 1208
 et, M. 5442
 fan, N. 767
 h, Y. 3879
 hkin, M. 1515
 kuhisa, E. 2932
 ledo, Z. D. A. de 1741
 ma, T. 985, 4643, 5154,
 5156, 5568
 mczak, K. 2678
 mita, K. 792
 mlin, A. D. 1938
 mlinson, A. 4533
 mpkins, K. 330
 mpkins, L. 1301
 ms, S. V. 5884
 nelli, E. 4598
 niolo, S. R. 3560
 nn, R. J. 397
 nnel, A. B. 2444-2445,
 3768, 4276-4277
 nner, M. 4112
 noyan, G. A. 1858
 orenenberg, A. W. van
 5395
 paktaş, M. 2781
 pilsky, M. 2171
 pping, M. D. 1158, 4341-
 4342
 rii, S. 2395
 riumi, H. 2545
 rkkei, P. 1478
 rossian, C. 5279
 rr, S. J. 569, 1865-1866,
 1870
 rre, F. de la 386, 5935
 rre, J. L. la 2675
 rre-Bueno, J. R. de la 5032
 rregiani, F. 784
 rres, C. A. 5909
 rres, F. Pascual 5777
 rres, H. N. 142
 rres, M. I. B. 1763
 rres, P. B. 5604
 rres-da Matta, J. 130
 rres Espejo, J. M. 5194
 ru, D. 1765
 rybaev, Kh. K. 5571
 sio, B. Serra- 1497
 sti, A. 5653
 sti, M. 3708
 udic, A. 1051
 ufc, N. 4879
 uratier, L. 3927-3928
 uré, Y. T. 4169, 5624-5625
 utain, P. L. 2107
 Toutant, J. P. 2132
 Tovey, E. R. 1078, 1597,
 1712, 3074, 4349, 4835
 Tovornik, D. 4795
 Townshend, J. L. 3356
 Townson, S. 1860
 Townzen, K. R. 117
 Trabalon, M. 5727
 Tracqui, A. 5466
 Tracy, J. W. 3237
 Trainin, Z. 3622
 Trammel, H. L. 2789
 Tran, H. 5698
 Trianiello, J. F. A. 3781
 Traore, S. 1035, 1037
 Trap, D. 3909
 Trape, J. F. 513
 Trapman, J. J. 203
 Traub, R. 926
 Traub-Cseko, Y. 3435
 Travassos da Rosa, A. 736
 Travassos Santos Dias, J. A.
 5672-5680, 5682-5684,
 5688-5689, 5812, 5816-5820
 Trees, A. J. 2654, 3034-3036
 Trehen, P. 2930
 Treherne, J. E. 22-23, 3515,
 4567
 Trent, D. W. 717, 3890, 5368
 Triana, C. 3898
 Triana, F. 5084
 Tribble, P. W. 2904
 Trichet, J. 3740
 Trieschmann, L. 1922
 Trigo, L. M. 3705
 Trim, C. M. 4032
 Trimnell, D. 2088
 Trinci, A. P. J. 1235
 Trinder, P. K. E. 642
 Tringali, G. 2059-2060, 2484,
 2613-2615
 Tripathy, N. K. 824
 Tripathy, S. B. 3210
 Tripathy, S. M. 3210
 Troncy, P. M. 857
 Trotter, W. J. 4071
 Trotti, G. Canestri- 5852
 Trouillet, J. 3024, 5642
 Trowell, S. C. 3468
 Trpis, M. 5207
 Trudeau, D. J. 1179, 3878
 Tsai, L. C. 685, 4351
 Tsai, T. F. 547, 751, 2250,
 3890
 Tsai, W. C. 1005
 Tsanev, R. G. 1091
 Tsankov, N. 4510
 Tsareva, A. A. 3556
 Tsarichkova, D. B. 1844
 Tschauschew, P. 2717
 Tschen, J. 3190
 Tschinkel, W. R. 625, 631
 Tsetlin, V. M. 2079, 2759
 Tsezos, M. 4066
 Tsiopoulos, A. 2444-2445,
 3768, 4276-4277
 Tsikhistavi, Sh. G. 4290
 Tsolov, B. 3847, 5875
 Tsou, H. R. 4502
 Tsubaki, Y. 5232, 5638, 5716
 Tsuchiya, D. 793
 Tsuda, T. 5005
 Tsuda, Y. 5132-5133, 5164
 Tsuji, K. 4005, 4063
 Tsuji, N. 5117
 Tsukahara, Y. 3092
 Tsukamoto, M. 5154, 5570
 Tsukamoto, T. 1458, 5229
 Tsushima, K. 2756
 Tsyplakov, V. A. 1781
 Tsyrukunov, L. P. 2065
 Tu, W. C. 4167
 Tublitz, N. 3492
 Tucker, J. S. 1534, 1960
 Tudury, E. A. 1168
 Tuichibaev, M. U. 4763
 Tukuitonga, C. F. 3242
 Tulloch, D. 2659
 Tully, J. G. 2698
 Tully, O. 2038
 Tumlinson, J. H. 4543
 Tumrasvin, W. 5209
 Tun-Lin, W. 536
 Tuomisto, L. 916
 Tupasi, T. E. 5909
 Turak, Yu. A. 3244
 Turco, B. J. 1367
 Turell, M. J. 718, 1813, 1881,
 2597, 4199, 4639
 Turgeon, B. G. 2700
 Turina, M. P. 2098
 Turner, C. M. R. 2372, 3639
 Turner, C. R. 3043
 Turner, E. C. 893, 1023
 Turner, E. C., Jr. 247, 1930,
 3748
 Turner, K. J. 4331, 4352
 Turner, V. 3916
 Tutta, C. 4061
 Tuychibaev, M. U. 1115
 Tverdokhlebov, P. T. 2463
 Tveten, M. S. 936
 Twigg, G. 1291
 Twigg, G. I. 1291
 Twigg, J. T. 1163
 Twort, A. R. 819
 Tyagi, B. K. 5445
 Tyagi, S. K. 3371
 Tyle, K. 3883
 Tyndale-Biscoe, M. 574, 3094
 Tzianabos, T. 2596
 Ubeda-Ontiveros, J. M. 5854
 Uchida, K. 4640
 Uchida, T. 5375, 5926
 Uchida, T. A. 1973, 5281-
 5283
 Uchikawa, K. 1762, 3834
 Uchiyama, T. 5375, 5926
 Udagama, P. V. 2226
 Udagawa, T. 3995
 Ude, J. 30
 Ueberreiter, K. 1339
 Ueda, H. 2335
 Ueki, N. 3871
 Uemoto, K. 5662-5663
 Ueno, K. 1482
 Ueno, R. 5221, 5955
 Ugolini, A. 810
 Uhaa, I. J. 4890
 Uhlenbrock, J. M. 4919
 Uhlir, J. 692
 Uilenberg, G. 3923, 5833
 UK, Agricultural Training
 Board 3439
 Ulloa, M. 2242
 Uloko, R. O. 933
 Ulrich, B. 1147
 Ulstein, T. L. 2000
 Ulukhanov, Ch. B. 1786
 Umanskii, K. G. 3275-3276
 Umeche, A. 2185
 Umeda, K. 2756, 3528
 Umeda, M. 5081
 Umetsu, N. 2738
 Undeen, A. H. 4634
 UNDP/World Bank/WHO
 Special Programme for
 Research and Training in
 Tropical Diseases 1293-1294
 Ungar-Waron, H. 3622
 Unglaub, W. 4517
 Upatham, E. S. 5109
 Upchurch, L. 5953
 Uphouse, L. 1679
 Upton, M. S. 3495
 Urakawa, T. 4382, 5900
 Urano, K. 4069
 Urbanek, R. 373, 3121, 5931
 Urbina, A. 4677
 Uren, M. F. 4887
 Uribarren Berrueta, T. 2194
 Uribe, L. F. 2410
 Urjel, R. 3009, 3292
 Ursu, A. 4740
 Uruchev, K. 5732
 USA, Entomological Society
 of America 4518
 USA, U. S. Department of
 Health and Human Services
 713
 Usacheva, E. I. 1010
 Usanakornkul, S. 376
 Usherwood, P. N. R. 4, 2022
 Usova, Z. V. 2362
 Ussery, M. A. 3247
 Usticano, V. 2061, 4444
 Ustinenko, A. N. 2774
 Uttamchandani, R. B. 3705
 Uzodinma, J. E. 2096
 Vaart, H. R. van der 4550
 Vacek, A. T. 4724
 Vachereau, A. 1431
 Vader, J. 3350
 Vafopoulou, X. 2196, 4240
 Vagn-Jensen, K. M. 213
 Vaicekauskaite, R. L. 322
 Vaid, R. M. 3360
 Vaillant, F. 1496
 Vainshtein, B. A. 311
 Vaitsekauskaitė, R. L. 322
 Vajime, C. G. 1440
 Vajrasthira, S. 4876
 Vakhrousheva, Z. P. 1785
 Vakil, Y. E. 5345
 Vala, J. C. 3712, 5256
 Vala, J.-C. 5257
 Valdecasas, A. G. 1313
 Valdimarsson, G. 4583
 Vale, G. A. 4205
 Valencia, L. B. 779
 Valente, S. A. S. 3541
 Valenti, A. M. 834
 Valentine, E. W. 3428-3429
 Valentine, M. D. 263, 4942
 Valjevac, K. 3216
 Válek, J. 4035
 Vallat, J. M. 653
 Valle, D. 5495
 Vallejo, G. A. 2195
 Vallone, G. 4339
 Valsamakis, A. 5894
 Valterová, I. 3145, 3148
 Van Alphen, J. J. M. 5270
 Van Amelsfoort, A. 2507
 Van As, J. G. 3873
 Van Berge Henegouwen, A.
 5781
 Van Bever, H. P. 3207
 Van Bronswijk, J. E. M. H.
 2011
 Van de Bund, W. 4747
 Van de Putte, L. B. A. 768
 Van den Abbeele, J. 4209
 Van den Berg, M. J. 211
 Van den Driessche, P. 1239,
 1241, 3337
 Van den Hoogen, F. H. J. 768
 Van der Hammen, L. 863,
 3411
 Van der Heide, R. M. 1789
 Van der Kolk, J. H. 2412
 Van der Kraan, C. 4506
 Van der Linde, T. C. de K.
 5611
 Van der Linden, J. N. 210-211
 Van der Lugt, A. 211
 Van der Vaart, H. R. 4550
 Van der Vloedt, A. A. 566
 Van der Vloedt, A. M. V.
 1447
 Van der Zee, J. S. 372
 Van Dorselaer, A. 5235
 Van Duyn, J. W. 591
 Van Eimeren, B. 3133
 Van Emden, F. I. 3110
 Van Etten, J. 2698
 Van Furth, R. 1203
 Van Gemert, G. J. A. 2246
 Van Gerwen, A. C. M. 1896,
 4726, 5740
 Van Hage-Hamsten, M. 321
 Van Halsema, L. 1270-1271
 Van Handel, E. 97, 948-949,
 2253, 5539
 Van Herck, H. 1154-1155
 Van Hoof, J. P. M. 989, 2274
 Van Kleef, R. G. D. M. 1683
 Van Melckebeke, H. 1137,
 3919
 Van Mellaert, H. 3323
 Van Neste, D. 2539
 Van Neste, D. J. J. 1599
 Van Neste, E. 5438

- Van Oldruitenborg-Oosterbaan, M. M. S. 2656
 Van Oldruitenborgh-Oosterbaan, M. M. Sloet 2412, 2655
 Van Pletzen, R. 5611
 Van Rensburg, B. J. J. 5744
 Van Rensen, J. J. S. 2117
 Van Rie, J. 3323
 Van Riper, C., III 2964
 Van Schaik, N. 3608
 Van Schalkwyk, P. C. 4808
 Van Swieten, P. 372
 Van Toorenbergen, A. W. 5395
 Van Wijk, R. G. 5395
 Van Wyk, P. W. J. 5611
 Van Wyke Coelingh, K. 2671
 Van Zutphen, T. 3857
 Vanamail, P. 2653, 4664, 5165
 Vande Berg, A. M. 2286
 Vandellannoote, A. 2856
 Vander Meer, R. K. 630, 632, 3128, 3140, 3776, 4758, 4774
 Vanderstuyft, P. 4467
 Vandewalker, M. L. 266
 Vanel, J. 1322
 Vanetten, H. D. 2700
 Vanhara, J. 5558
 Vannier, G. 607
 Vardy, D. 928
 Vargas, J. G. Palacios- 4323
 Vargas, L. G. 5573
 Vargas V., M. 5204, 5573
 Vargo, E. L. 2460, 3127, 3777-3778
 Vargová, J. 4035
 Varjú, D. 4541
 Varkey, J. 5770
 Varma, M. G. R. 642, 1139, 1537
 Varma, N. 1268
 Varma, S. 4934
 Varnagy, L. E. 2767
 Varoli, O. 4238
 Varshavskii, B. S. 3253
 Varshavskii, S. N. 3253
 Varshneya, C. 836
 Vasantha, K. 76
 Vasconcelos, O. T. 3152
 Vashchenok, V. S. 1782
 Vashishta, M. S. 3150
 Vasilevich, F. I. 929
 Vassart, M. 3153
 Vasuvat, C. 5358
 Vattier-Bernard, G. 3024, 5642
 Vaudry, H. 5066
 Vaughan, J. A. 1404, 1423, 1930, 2227, 2928, 3551-3552, 5162
 Vaughan, T. R. 266
 Vaughn, D. M. 2770
 Vautrin, D. A. Moneret- 319
 Vavilova, V. E. 2586
 Vávra, J. 4657
 Vayssade, J. P. 5255
 Vaz, A. H. 917, 4706
 Vaz Nunes, M. 5238, 5242
 Vazeille, M. C. 4174
 Vazquez, S. 4375
 Vázquez Carrasco, J. L. 2572
 Vazquez-Nin, G. H. 4736
 Vázquez Ramudo, S. 348
 Vecht, U. 210
 Veenstra, J. A. 2154, 4556, 4561, 5077
 Veiga, C. M. 599, 4751
 Veiga, R. M. O. 5463, 5648
 Veith, L. 4595
 Velasco, F. Millan- 5382
 Velasco, J. 5507
 Velasquez, G. 4275
 Velayudhan, R. 4171
 Velehorsch, N. 508
 Vélez Angel, R. 4109
 Venables, K. M. 4832
 Venant, A. 5438
 Venkatakrishna-Bhatt, H. 3224
 Venkatanatham, A. 1916
 Venkatesh, K. 3168, 4010, 5953
 Venkateswarlu, K. 4020
 Venkov, C. D. 1091
 Venniro, G. 4116
 Venturi, P. 3117
 Vepsäläinen, K. 5278
 Verachttert, B. 1902
 Vercruysse, J. 5337
 Vereta, L. E. 1167
 Verga, A. 4339
 Verhaert, P. 1731, 5066, 5724
 Verhave, J. P. 522
 Verheyen, R. 2856
 Verin, P. 4912
 Verissimo, C. J. 5827
 Verma, B. L. 4361
 Verma, R. N. 2981
 Vermeulen, N. M. J. 3826, 5838-5839
 Vernet, T. 2676
 Vernick, K. D. 2331
 Vernon, C. A. 5785
 Vernon, P. 2930
 Vernon, S. 4376
 Veronesi, B. 856
 Vershinina, T. A. 1984
 Verves, Yu. G. 2396, 2398
 Vervloet, D. 4278
 Vesco, G. 4415, 4438
 Veselkin, A. G. 195
 Veselkin, A. G. 1861
 Vesenjak-Hirjan, J. 4379-4380
 Veterinary Technician 5514
 Vexenat, A. 557
 Vey, A. 3591
 Veyrunes, J. C. 2673
 Vialard, J. 2676
 Vicente, F. Simon- 5825
 Vickerman, K. 3639
 Vickery, A. C. 2314, 3550, 4646
 Victor, R. 1341, 3576
 Videla, L. A. 1270-1271, 4026
 Vidor, E. 2617
 Vidrine, M. F. 3609
 Viera, H. S. R. 5158
 Vigario, J. D. 3820
 Vigna, S. R. 1804
 Vignes, R. 4103
 Vignon, L. 643
 Vijayendra, M. 5468
 Vijverberg, H. P. M. 1683
 Vik, H. 4355
 Vilar Noronha, C. 5192
 Vilela, M. A. P. 4075
 Viljoen, G. J. 3826
 Villafrate, M. 2484
 Villanueva, F. Reyes- 962
 Villar, B. F. 3274
 Villar, M. I. Picollo de 2921-2922
 Villar, M. J. Silva- 5491
 Villarroel, G. 3292
 Villegas, A. 334
 Villeneuve, A. 499, 3546
 Vincent, A. L. 3550
 Vinson, S. B. 1119, 2462, 3758
 Violante, F. S. 847
 Víquez, A. 4677
 Viriyanondha, S. 815
 Virus Information Exchange Newsletter for South-East Asia and the Western Pacific 5363, 5370, 5904-5905
 Vishnupriya, R. 4822
 Vishwakarma, R. A. 1221
 Visser, E. S. 3825
 Visser, M. E. 5270
 Visser, S. A. 2797
 Visser, W. J. F. 3095
 Viswanadham, S. K. 4074
 Vital Brazil, O. 5880
 Vitale, G. 1355, 2059, 2061, 2613-2615, 4416-4418, 4444
 Vitale, M. 1514
 Vitale, S. 2484
 Vitarana, S. I. 3137
 Viter, V. F. 1688
 Vítková, V. 5920
 Vitvitsky, A. A. 3244
 Vivares, C. P. 5614
 Vizitiu, O. 766
 Vlasuk, G. P. 3814
 Vlček, D. 5958
 Vloedt, A. A. van der 566
 Vloedt, A. M. V. van der 1447
 Voelker, R. B. 5719
 Vogel, A. 1578
 Vogel, G. N. 1982
 Vogel, S. M. 4999
 Vogler, R. C. 1727
 Vogt, A. 2618
 Vogt, K. 1875
 Vogt, W. G. 3058, 4726, 5740
 Voigt, W. G. 1372
 Voigt, W. P. 1530, 1956
 Voisin, J. F. 3091
 Voitenko, G. H. 1677
 Voitsik, A. A. 1846
 Volchkova, G. A. 1988, 2581
 Volcisi, O. V. 1010
 Volhard, C. Nusslein- 4530
 Volkmann, A. 2289-2290
 Volkmann, R. A. 1613-1614
 Volkova, L. I. 353
 Volkova, T. M. 1177
 Volleth, M. 4317-4318
 Vollset, I. 2000
 Voloch, A. Hassón- 130
 Voltsit, O. V. 1986
 Volwerk, J. J. 3320
 Von Eickstedt, V. R. D. 2036, 5888
 Von Osten, J. Rendón- 5980
 Voorham, J. 989, 2274
 Voris, H. K. 4861
 Voronina, V. M. 1676
 Voroponov, Yu. V. 1010
 Vos, A. J. de 303, 3151
 Vos, V. de 5832
 Vose, F. E. 2955
 Voshaar, J. O. 2323
 Voss, G. 804
 Vrahimis, S. 1141
 Vráti, S. 4413
 Vrbová, O. 364
 Vrijenhoek, R. C. 1862
 Vrkoč, J. 3145, 3148
 Vroom, M. 3197
 Vuillaume, A. 3638, 3902
 Vuocolo, T. 3671
 Vuorinen, I. 3082
 Vutikes, S. 5186
 Vyas, K. M. 4179
 Vybornykh, S. N. 391, 5938
 Výrosteková, V. 293
 Vysloulžil, L. 4735
 Vyszenski-Moher, D. L. 331, 1605, 2010
 Wada, Y. 1153, 5132-5133, 5164
 Wade, D. 3122
 Wade, K. R. 1308
 Wadhams, L. J. 1378, 2742, 5587
 Wadhwa, D. R. 3178
 Wadleigh, R. W. 4558, 5071
 Waema, D. 1448, 1876-1877
 Wafford, K. A. 2134, 3506, 5952
 Wagatoh, J. N. 2305-2306
 Wages, D. P. 422
 Wagh, S. B. 4033
 Wagh, S. B. 839
 Wagner, B. 1709
 Wagner, D. 37
 Wagner, H. 1062
 Wagner, J. M. 5930
 Wagner, S. L. 1692-1693
 Wagner-Döbler, I. 1493
 Wahab, M. A. 3489
 Wahl, R. 3888
 Wahl, R. 1161, 4330, 4336, 4340, 4344
 Wahlberg, P. 3155
 Wählin, B. 3122
 Wahn, U. 2527
 Waikagul, J. 4876
 Waitkins, S. A. 4927
 Waizbort, R. F. 5878
 Wakszynski, F. S. 3351
 Walden, A. 3794
 Walden, R. 3794
 Walker, A. R. 650, 3906, 4303, 4308
 Walker, C. 5972
 Walker, D. H. 3260, 3264, 3266, 3270, 3273, 3409-3410, 4385
 Walker, E. 663
 Walker, E. D. 1408, 2251, 2302, 2304, 2358, 4618
 Walker, J. B. 5313, 5831
 Walker, J. M. 3058
 Walker, K. H. 3922
 Walker, P. J. 4885
 Walker, R. J. 4539
 Walker, V. K. 5036
 Walker, W. W. 2804
 Wall, R. 1867, 1874, 3049, 5216
 Walla, M. D. 4065
 Wallace, B. 4749
 Wallace, D. H. 3850, 5435
 Wallace, F. L. 2303
 Wallace, G. C. 1670, 5418
 Wallace, J. B. 3379, 5043
 Wallaert, B. 2445, 3768, 4276-4277
 Wallbanks, K. R. 589, 1447, 3624
 Waller, J. 3621
 Walliker, D. 2646
 Walls, S. J. 3078
 Walpole, D. E. 2867
 Walsh, J. 1631
 Walsh, J. D. 107
 Walsh, J. F. 3037, 4679
 Walshaw, M. J. 3843
 Walter, G. 4738
 Walter, H. 2166
 Walters, B. M. 797
 Walters, E. 2416
 Walters, L. L. 556
 Walton, R. L. 580
 Walton, T. E. 755, 5180
 Walton, W. E. 2341, 2963
 Waluga, D. 4870
 Wan, M. X. 2589
 Wancata, J. 2166
 Wang, C. H. 5476
 Wang, C. Y. 4372
 Wang, D. Q. 2211
 Wang, F. Y. 4195
 Wang, H. F. 4193
 Wang, H. W. 1806
 Wang, H. Y. 4072
 Wang, J. Y. 2002
 Wang, M. C. 1892
 Wang, M. X. 5901
 Wang, Q. S. 4072
 Wang, R. L. 1807
 Wang, S. B. 4194
 Wang, S. H. 4192, 5559
 Wang, S. Q. 260
 Wang, X. Z. 1416, 5557
 Wang, Y. M. 529
 Wang, Z. F. 4195
 Wang, Z. S. 7
 Waples, R. S. 1394
 Warburg, A. 898, 1022, 3296
 Ward, G. B. 3470
 Ward, O. P. 380
 Ward, P. I. 4701
 Ward, R. A. 951, 2299
 Ward, R. D. 1020, 3004, 3017, 3019, 3021
 Wardhaugh, K. G. 1501
 Ware, G. W. 2766
 Warner, J. 3308
 Warner, J. A. 5785
 Warnes, M. L. 1050, 3050
 Warnock, R. G. 3228
 Warren, J. T. 2155, 5149
 Warren, P. H. 3490, 4552
 Warthen, J. D., Jr. 3816, 4985
 Washburn, J. O. 1396, 2315, 3589
 Washino, R. K. 124, 394, 1403, 2964, 4669, 4953

- Wassall, D. A. 2403, 5254
Wassef, H. Y. 1561, 1971
Wasserman, G. S. 1612
Wasserman, H. H. 1519
Watanabe, H. 4123
Watanabe, M. 1042, 1646
Watanabe, T. 312, 3571
Watanabe, Y. 1518
Waters, L. C. 2722, 3983, 5772
Waterston, A. R. 5795
Wathanga, J. 3793
Watkinson, W. P. 4997
Watson, C. A. 359
Watson, D. A. 1390
Watson, D. C. 2677
Watson, G. M. F. 4482
Watterson, A. 1289
Watts, D. M. 732, 1406, 1544, 3247, 3796, 5290
Wauke, T. 323
Waxman, L. 3814
Weart, C. W. 2904
Weathersbee, A. A. 2267, 4626
Weathersbee, A. A., III 2307
Weathersby, A. B. 4638
Weaver, A. J. 4761
Weaver, M. 5019
Weaver, R. E. 2610
Weaver, R. J. 5070
Weaver, S. C. 4173, 4185, 5540
Webb, D. J. T. 4496
Webb, D. P. 1471
Webb, D. W. 2950, 5528
Webb, J. P. 1186
Webb, J. P., Jr. 108, 3194
Webb, L. 5113
Webb, M. R. 2129
Webb, P. A. 756, 5095
Webber, E. C. 5016
Webber, R. A. 4652
Weber, A. 3239
Weber, F. 1738
Weber, G. 5769
Weber, J. 34
Weber, M. 3920, 5965
Weber, R. G. 2986
Weber, R. W. 266
Webster, J. M. 3502
Webster, K. A. 292, 651, 1546
Weckström, M. 1478, 3674, 4720
Wedding, R. T. 4604
Wedin, G. P. 2788
Wee, S. H. 4152, 4320
Weeks, J. C. 3450
Weeks, K. E. 4429
Wegerdt, S. 3794
Wegner, Z. 1553, 1580
Wehde, S. D. G. 5930
Wehner, R. 3466
Wehner, T. A. 5435
Wei, C. K. 1360
Wei, J. J. 4824
Weichel, D. 2048
Weiderholm, T. 3087
Weiland, G. 4455
Weinke, T. 1339
Weinstein, A. 2622
Weinstein, R. A. 489
Weinstein, S. A. 3955
Weintraub, J. 5250
Weinzierl, R. A. 5703
Weir, R. C. 4411
Weir, T. A. 598
Weirich, M. 5695
Weis, C. 886
Weis, J. J. 3181
Weisbrod, A. R. 2478
Weisburg, W. G. 2698
Weiser, J. 5615
Weisglass, M. Galinović- 4379
Weismann, P. 294
Weiss, A. 906
Weiss, B. 856
Weiss, E. 3257
Weiss, K. 3915
Weitzner, J. M. 332
Welbourn, W. C. 2024
Welburn, S. C. 564, 1878, 2374
Welch, D. A. 3171, 5298
Welch, J. B. 2249, 2278, 4721, 4728, 5234
Welch, R. 5025
Wellborn, S. G. 5007
Wellde, B. T. 1448, 1876-1877, 1879, 1990
Weller, A. 2535
Welling, W. 2117
Wellington, W. G. 877
Wells, J. M. 2372
Wells, M. A. 2125
Weltring, K. 2700
Welzel, P. 1254
Wen, T. H. 5857
Weng, Y. L. 4450
Wengel, A. 4989
Wenger, J. D. 2610
Wenk, P. 4821
Wentzell, J. M. 503
Wenzel, H. 4078
Wenzel, J. W. 270, 1512, 4765
Were, J. B. O. 1826
Werner, G. 1335, 1606, 1610, 2717, 4841
Werner, S. B. 1205
Werninghaus, G. Schultze-4336
Wernsdorfer, W. H. 1695, 4648
Werra, R. J. 3808
Wéry, M. 2946
Wescott, R. B. 2907
Weske, B. 5241
Wesson, D. M. 5533, 5537
West, R. C. 3215
West, S. 2055, 3916
West-Eberhard, M. J. 1513
Westall, J. C. 2760
Westbrook, A. 169
Westgarth-Smith, A. R. 897
Wetherwax, P. B. 3320
Wetterberg, L. 572
Weymouth, L. A. 2624
Weyrauther, E. 3672
Whaley, M. 3750
Wheeler, C. P. 604
Wheeler, A. G., Jr. 5509
Wheeler, B. 4834
Wheeler, G. C. 3126, 3139
Wheeler, J. 3126, 3139
Whelan, E. A. 5015
Whelan, P. I. 5135
Whisenton, L. R. 5149
Whistler, T. 1184
Whitaker, J. O., Jr. 284, 1591, 3214, 4364
Whitaker-Dowling, P. 4409
White, C. E. 255
White, D. C. S. 2129
White, D. H. 430
White, D. J. 1830
White, G. B. 4496
White, J. 3219
White, J. C. 1887
White, J. E. 4927
White, J. F., Jr. 3324
White, J. R. 5373
White, L. A. 548
White, S. 4155
White, S. D. 2015
White, T. J. 5811
Whiteley, H. R. 2678, 4947
Whitesell, D. B. 117
Whitesell, K. G. 117
Whiteside, M. 1190
Whiting, P. 1954
Whitman, D. W. 3782
Whitmer, W. L. 2770
Whitmire, R. E. 5125
Whitmore, J. W. 1213
Whitsel, E. A. 1727
Whitten, M. J. 2851
Whittle, H. C. 4358
Whittle, R. K. 3637
Wiadomości Parazytologiczne 1699
Wichard, W. 2818
Wichterman, G. 2787
Wicker, C. 1906, 5235
Wicklow, D. T. 1667
Wideqvist, U. 2796
Widiarti 4623
Widner, W. R. 4947
Więcko, E. 1595
Wieczorek, L. 2135
Wiedemann, G. 1738
Wiegandt, H. 5241
Wielandner, J. 3121
Wiemers, M. A. 5902
Wierenga, J. M. 1058
Wieslander, L. 5767
Wiesner, C. J. 801
Wiesner, R. J. 883
Wigger, A. 817
Wiggins, G. B. 1309
Wigington, J. G. 5181
Wignall, F. S. 4427
Wigwe, J. C. 1341
Wijesinghe, D. P. 4723
Wijesundera, M. de S. 2238, 2328
Wijk, R. G. van 5395
Wikel, S. K. 3829
Wilcox, R. S. 4780
Wilczyńska, K. 488
Willey, K. B. 1471
Wiles, P. R. 314, 595
Wilhelm, K. 435
Wilhelm, W. E. 3881
Wilkinson, R. C. 2977-2978, 4181, 4617
Wilkes, T. J. 4156
Wilkins, J. P. G. 2114
Wilkinson, C. 1602
Wilkinson, P. J. 647, 2475
Willadsen, P. 669, 1531, 4288, 4297
Willer, D. E. 269, 4762
Williams, B. 502, 4211-4212, 5687
Williams, C. 3922
Williams, C. J. 4748
Williams, D. C. 2303, 4616
Williams, D. D. 4102
Williams, D. F. 3140, 5277
Williams, D. J. 4979
Williams, D. R. 4501
Williams, D. S. 4739
Williams, J. 1679
Williams, J. F. 4941
Williams, J. P. 1534
Williams, J. W. 2757
Williams, K. A. 588, 3083
Williams, M. de Courcy 4746
Williams, P. N. 5207
Williams, R. E. 1717-1718
Williams, R. L. 3761
Williamson, C. E. 4548
Williamson, F. A. 4988
Willinger, H. 3694
Willis, F. S. 2282
Willis, J. H. 453, 1905
Willis, O. R. 3609
Wills, L. E. 4704
Wilmot, T. R. 3600
Wilps, H. 227, 1895, 1903
Wilske, B. 2611
Wilsmore, A. J. 642
Wilson, C. 2229, 4534
Wilson, G. G. 2697
Wilson, G. R. 5934
Wilson, I. D. 3493
Wilson, J. D. 374
Wilson, J. T. 3790
Wilson, K. H. 2623
Wilson, K. L. 2696
Wilson, L. J. 4289
Wilson, M. 3817, 5382
Wilson, M. D. 3032
Wilson, M. L. 1964, 4306
Wilson, P. R. 2492
Wilzbach, M. A. 2358
Wimmer, Z. 5410
Windsor, I. M. 992, 5129
Wing, K. D. 413
Wing, S. R. 3747, 4634
Winkler, H. H. 3267
Winner, R. A. 87
Winner, R. W. 4990
Winston, V. 3783
Winter, S. 1611
Winterbourn, M. J. 1306
Winward, K. E. 3248, 4917
Wirima, J. J. 3297
Wirth, M. C. 2976
Wirth, W. W. 3618, 5641, 5983
Wirtz, R. A. 1382, 2228, 2277, 2279, 4645, 5162, 5588
Wismer, T. 3907
Wiśniewski, J. 2705
Wisnivesky-Colli, C. 52, 5504
Wisselink, H. J. 210
Witaliński, W. 4319, 4357
Witz, B. 3744
Witzgall, P. 2719
Własow, T. 4870
Wobus, U. 233, 5759
Woese, C. R. 2698
Woffendin, C. 138
Wohlgemuth, R. 603
Wohlleb, J. C. 4067
Wojcik, D. P. 3138, 4758
Wojcik, W. F. 4770
Wolf, R. 2542
Wolf, W. W. 4125
Wolfe, M. S. 5448
Wolfgang, W. 454
Wolfner, M. F. 4250
Wolfson, J. L. 4121
Wolpert, D. M. 4929
Womeldorf, D. 1186, 1274
Won, H. T. 2802
Wong, A. 2690
Wong, F. 3981
Wong, J. 1205
Wong, J. Y. M. 2503
Wong, K. P. 1803, 2970
Wong, P. K. 3363
Wong, P. L. 4370
Woo, P. T. K. 1051
Woo, Y. T. 3310
Wood, A. L. 856
Wood, A. M. 2120
Wood, E. J. 2921
Wood, J. R. 1013, 4666
Wood, R. A. 324, 4834
Wood, W. F. 409
Woodall, J. P. 736
Wooden, J. W. 3850
Woodford, J. D. 776
Woodford, M. H. 1450
Woodhead, A. P. 1744, 5057
Woodring, J. P. 3147
Woods, C. W. 577, 3470
Woodside, M. 423
Woodward, D. L. 11, 1372, 4665
Woodward, T. E. 3261, 4434
Woody, D. D. 671
Woody, J. N. 3254
Woolcock, A. J. 4352, 4354
Woollett, G. R. 2227
Wooster, M. T. 2177, 5063
Work, T. H. 1186
Work, T. M. 2964, 4669
Worland, M. R. 4236
World Health Organisation
Technical Report Series 811
World Health Organization 783
Worner, S. P. 469
Worrill, N. 5047
Worthington, V. 506
Wouters, G. 1140
Wraith, M. J. 852
Wrensch, D. L. 4826
Wretling, B. 3917
Wright, A. E. 1822
Wright, D. J. 3229
Wright, D. J. M. 662, 1193, 1639, 4433
Wright, E. J. 5694
Wright, F. C. 1965, 2546, 4300
Wright, J. C. 974, 2994
Wright, R. E. 974, 2367, 3169, 5142, 5211
Wright, S. A. 18

- Wright, S. D. 4928
 Wróblewska, M. 1589, 1604
 Wrubleski, D. A. 231
 Wrzesiński, O. 2565
 Wu, C. G. 4192
 Wu, C. H. 4130-4131, 4166
 Wu, G. H. 1671
 Wu, H. 5268
 Wu, J. W. 5691
 Wu, J. X. 3321
 Wu, K. G. 4351
 Wu, N. 3359, 4159
 Wu, N. F. 789
 Wu, S. J. 2153
 Wu, W. K. 1430, 5201
 Wu, W. Z. 2209
 Wunberg, T. 2532
 Wunde, C. 4504
 Wuoreninne, H. 5279
 Wüthrich, B. 3121
 Wyatt, N. P. 3110
 Wygodzinsky, P. 3635
 Wygodzinsky, P. W. 4146
 Wyk, P. W. J. van 5611
 Wyke Coelingh, K. van 2671
 Wyman, J. 2558
 Wynn, S. R. 4132
 Wypych, J. I. 4269, 4274
 Wyttenbach, C. R. 4028
 Wyratt, M. J. 3351
 Xamena, N. 1680
 Xavier, P. A. 151
 Xia, S. R. 2243
 Xiang, J. W. 4192
 Xiao, A. X. 5269
 Xiao, B. L. 2211
 Xie, C. S. 1411, 2651
 Xie, T. J. 3321
 Xie, Z. Y. 5011
 Xu, D. G. 1419
 Xu, J. F. 4195
 Xu, P. T. 529
 Xu, R. M. 5144
 Xu, S. 147
 Xu, S. X. 1360
 Xu, Z. B. 4676
 Xu, Z. G. 4661
 Xu, Z. Z. 2589
 Xue, R. D. 5269, 5718
 Xue, W. Q. 221, 2391
 Yabuuchi, K. 312
 Yadav, B. E. 4366
 Yadav, J. S. 252, 3343, 4980
 Yadav, R. S. 997-998
 Yadav, S. S. 5013
 Yagami, T. 1515
 Yagi, K. 3518
 Yagupsky, P. 3251
 Yakir, D. Ben- 1536
 Yakubovskii, M. V. 1150
 Yamagishi, T. 5261
 Yamaguchi, M. 312
 Yamaguchi, T. 5789
 Yamakawa, T. 5742-5743
 Yamakura, F. 4640
 Yamamoto, N. 140
 Yamamoto, S. 5926
 Yamane, N. 173, 5117
 Yamana, K. 3879
 Yamanaka, H. 5273
 Yamane, S. 272
 Yamashita, N. 4345, 5259, 5263-5264, 5638
 Yamashita, O. 823
 Yamashita, T. 2734
 Yamatodani, A. 916
 Yamazaki, K. 312
 Yamey, J. 5785
 Yampol', G. P. 2418
 Yamschikov, V. F. 5893
 Yanai, P. 1650
 Yanes, J. 2724
 Yanez, D. M. 2186
 Yang, B. J. 4195
 Yang, B. L. 2223
 Yang, C. M. 4861
 Yang, D. 2698, 5347
 Yang, J. D. 1222
 Yang, J. P. 2245
 Yang, L. P. 1592
 Yang, M. 387
 Yang, S. L. 4001
 Yang, W. Q. 4371
 Yang, Y. H. 2218
 Yang, Z. Q. 2224
 Yangco, B. G. 3550
 Yanicostas, C. 455
 Yanishevskaya, G. S. 1844
 Yankovskaya, V. L. 4710
 Yankovskii, A. V. 185, 1859, 2361
 Yano, K. 1401, 3714
 Yano, T. 2756, 3528
 Yano, Y. 5282
 Yao, C. Q. 5143
 Yao, W. B. 2513
 Yap, H. H. 2338, 5108
 Yapp, J. Jackson- 5942
 Yardley, D. G. 1302
 Yastrebov, V. K. 5919
 Yastrebtsov, A. V. 5862
 Yasueda, H. 2536, 4334-4335, 4346
 Yasui, K. 4383
 Yasui, Y. 306
 Yasukevich, V. V. 1839, 1842
 Yasuno, M. 2932, 4059
 Yasutomi, K. 5155
 Yates, M. M. 2278
 Yates, W. E. 118
 Yavruyan, E. G. 5765
 Ye, B. H. 1321, 1411
 Ye, R. Y. 5513
 Ye, Y. Y. 4661
 Yeh, C. L. 4130
 Yélamos, T. 5780
 Yen, C. C. 3852
 Yen, D. O. Ho- 663
 Yeoh, C. L. 3990
 Yeoman, O. J. 4971
 Yeruham, I. 4815
 Yeruham, J. 5802
 Yeung, J. M. 802
 Yhdego, M. 1006
 Yi, A. 4926
 Yilmaz, B. 2140
 Yilmaz, O. 4973
 Yin, C. M. 1897, 1908, 1911, 5244
 Ying, H. 5307
 Yoder, K. 5096
 Yoder, O. C. 2700
 Yokomi, M. L. Kok- 120
 Yonker, J. W. 4564
 Yoo, K. H. 4950
 York, D. 3891
 Yoshida, K. I. 1233
 Yoshida, M. 2027, 4347
 Yoshida, N. 600
 Yoshida, Y. 2395
 Yoshikawa, M. 323
 Yoshino, K. 5281
 Yoshizawa, A. 1646
 Yoshizawa, S. 4335
 Yoshizawa, T. 2335
 Yosikawa, M. 312
 You, X. C. 1413
 You, Z. Y. 529
 Youten, L. J. F. 4272, 4475
 Young, A. 775
 Young, A. S. 638, 640
 Young, D. 4333
 Young, D. B. 4833
 Young, D. G. 1018, 2236, 3003, 4103, 4673, 5199
 Young, F. N. 255
 Young, K. S. 4950
 Young, M. D. 4634
 Young, O. P. 2024, 2551
 Young, R. W. 2080
 Younis, M. W. F. 3543
 Youssef, F. G. 3002
 Yousten, A. A. 115, 388, 2687
 Yu, F. 5307
 Yu, H. S. 4610
 Yu, W. F. 2589
 Yu, X. 2711, 4490-4492, 5513
 Yu, Y. 2222
 Yuan, J. Z. 1321
 Yuan, X. Z. 2243
 Yücel, Ş. 2368
 Yudina, T. G. 391, 5938
 Yui, Y. 2536, 4334, 4346
 Yuill, T. M. 4399
 Yung, L. S. 151
 Yunginger, J. W. 262
 Yunker, C. E. 1195, 5297, 5808, 5829
 Yusukeyevich, V. V. 5574
 Yuval, B. 1022, 3001, 3176, 3296
 Zabala, N. A. 5502
 Zabudovskaya, S. A. 5340
 Zabza, A. 5411
 Zackrison, J. L. 3538
 Zadorina, V. M. 3483
 Zahida Al-Douri 2001
 Zahiruddin, M. 3179
 Zahner, V. 3948
 Zahradník, J. 5787
 Zaia, N. 332, 2189
 Zaidi, Z. H. 1176
 Zaim, M. 91
 Zakaria, M. B. 479
 Zaki, M. H. 3173
 Zaki, S. 4430
 Zakut, H. 5978
 Zaldivar, L. 216, 3648
 Zalewska, M. 2007
 Żaludko, J. 357, 364
 Zamir, R. 5978
 Zamos, D. 5386
 Zaremba, A. 1147
 Zaritsky, A. 3590
 Żarnowski, E. 1694
 Zarudnyi, N. 5344
 Zarzārā, C. 1777
 Zarzère, K. 1598
 Zaslavski, V. A. 2823
 Zasloff, M. 2336
 Zatwarnicki, T. 593
 Zatwarnicky, T. 3088
 Zaugg, J. L. 5315
 Zavala, F. 1793, 5624
 Zavala, J. T. 1763
 Zavaro, A. 2537
 Zayia, H. H. 5106
 Zbikowska-Gotz, M. 4133
 Zdunkiewicz, T. 1589, 1604
 Zebe, E. 1383
 Zee, J. S. van der 372
 Zeh, D. W. 451
 Zeh, J. A. 451
 Zeledón, R. 2912, 4677
 Zelter, A. 3121
 Zelig, Y. 2702
 Zeller, H. G. 4888
 Zeng, X. S. 2860
 Zenger, E. 837
 Zenkov, V. A. 2581
 Zerba, E. N. 1670, 2921-2922, 5418
 Zerbini, R. 4279
 Zervos, S. 472-473, 3502
 Zeumer, H. 864
 Zhang, G. C. 1416, 2941
 Zhang, H. C. 146, 2523
 Zhang, J. H. 5347
 Zhang, J. P. 5859
 Zhang, J. S. 139
 Zhang, J. T. 5114
 Zhang, J. Z. 1798, 5124
 Zhang, L. 5786
 Zhang, M. B. 2283
 Zhang, M. J. 5901
 Zhang, P. X. 4192
 Zhang, Q. C. 5307
 Zhang, Q. G. 5075
 Zhang, Q. J. 4194
 Zhang, S. 145, 3574
 Zhang, S. Q. 4194
 Zhang, S. T. 2783
 Zhang, T. S. 170
 Zhang, W. G. 1616
 Zhang, W. H. 5269, 5783
 Zhang, W. Z. 5718
 Zhang, X. J. 4371
 Zhang, X. X. 4371, 5857
 Zhang, X. Z. 2235
 Zhang, Y. H. 2589
 Zhang, Y. K. 1671
 Zhang, Y. M. 4381
 Zhang, Y. S. 4196, 5556
 Zhang, Y. X. 4656
 Zhang, Z. 1284, 3349
 Zhang, Z. F. 148, 3807
 Zhao, S. X. 2523
 Zhao, T. X. 2589
 Zhao, W. F. 5011
 Zhao, X. Z. 1671
 Zhao, Z. J. 529
 Zhemchuzhina, A. A. 1880
 Zhen, J. J. 1360
 Zhen, T. M. 533
 Zheng, H. J. 2224, 5559
 Zheng, Z. J. 1415
 Zherikhina, I. I. 2352
 Zhi, B. Y. 4195
 Zhong, C. H. 533
 Zhong, H. S. 4449
 Zhong, Z. L. 144
 Zhou, J. J. 2883, 5475
 Zhou, J. S. 2243
 Zhou, X. H. 5347
 Zhu, G. K. 2664
 Zhu, J. P. 4773
 Zhu, X. X. 1982
 Zhu, Y. S. 3318
 Zias, J. 1334
 Zierhut, M. 3249
 Zilberberg, N. 5885
 Zilglen, J. H. Cocatre- 912-913
 Zimina, Yu. V. 1989
 Zimmering, S. 1096
 Zimmerman, J. H. 1398
 Zimmerman, J. J. 3645
 Zimmerman, R. H. 1967, 4294, 5291
 Zimmermann, H. 2717
 Zimmermann, R. H. 1573
 Zimmermann, T. 2534
 Zimpfer, M. L. 2724
 Zinchenko, A. P. 2362
 Zinn, G. D. 5703
 Zitko, V. 423
 Ziv, M. 5801
 Živanov, D. 3339
 Zivkovic, D. 1979
 Ziyuan, C. 850
 Zlotkin, E. 5039, 5885
 Złotorzycka, J. 1314, 1328, 1752
 Žnidarić, D. 1259
 Zöllner, T. 1895, 1903
 Zolotarev, G. S. 2830
 Zolotukhina, L. Z. 835
 Zong, X. Y. 2243
 Zöphel, W. 4841
 Zora, J. A. 262
 Zou, B. X. 1897, 1908, 1911, 5244
 Zoulani, A. 513
 Zoysa, A. P. K. de 1850, 5170
 Zuccaro, I. 2612
 Zucchi, H. 1949
 Žuffa, M. 228
 Zuk, M. 4551, 4573
 Żukowski, K. 1558
 Zung, J. 3797
 Zunino, M. 3734
 Zutphen, T. van 3857
 Zvants'ov, A. B. 1846
 Zvereva, E. L. 4695
 Zwick, H. 3028
 Zwick, P. 3028
 Zwierz, C. 1580

SUBJECT INDEX

- bamectin** (avermectin B₁)
books 5029
control, ectoparasites, cattle 4962
effects, *Musca vetustissima*, abnormalities 5227
resistance, *Musca domestica*, cross resistance 5714
toxicity, insects 411
- bate** (see Temephos)
- blabesmyia monilis**
behaviour, mating behaviour 3717
Salmo trutta, predation 3489
- bramis brama**
parasites, Poland 4870-4872
Tracheliastes maculatus, Poland 2042
- brothrix brachyotis**, *Sphinctopsylla ares*, Chile 4363
- C-291898** (see N-[[[3,5-Dichloro-2,4-difluorophenyl]amino]carbonyl]-2,6-difluorobenzamide)
- canthephyra purpurea**, *Holophryxus* 5351
- canthocyclops americanus**,
Batrachotaenia carpathica, development 3231
- canthocyclops vernalis**
Amblyospora connecticus, pathogenicity 3586
Batrachotaenia carpathica, development 3231
Dracunculus medinensis, control, water filters 707
intermediate hosts, *Amblyospora connecticus* 2313
Microspora 969, 2312
prey, *Aedes cantator*, predation 2312
- canthocyclops viridis**, *Batrachotaenia carpathica*, development 3231
- canthohelea**, taxonomy, synonyms 5983
- canthopagrus australis**, Copepoda, pathology 706
- canthophthirius**, *Plecotus mexicanus*, Mexico 5323
- canthophthirius plecotius**, Vespertilionidae, Poland 678
- cardust** (see Allethrin, [1R-[1 α (S*),3 β]]-isomer)
- cari**
bibliographies, books 3398
man, respiratory diseases 3785
morphology, legs 4528
rearing techniques 3494
- caricide resistance**
Boophilus microplus
Australia 3790
cross resistance 3153
resistance mechanisms 1965, 4300
livestock farming, reviews 4499
resistance management, chemical industry 804
- caricides**, pest control 1669
- caridae**
control, environmental management 323
dwellings, Japan 323
- Acariidial**, *Tyrophagus perniciosus* 5331
- carology**, directories, Australasia 3424
- carus farriis**
grain stores, UK 1158
man, allergies 1158, 4342
- carus nidicolous**, *Ctenophthalmus nobilis*, phoresy 501
- carus siro**
allergens, cross reactivity 4341
chemosterilants, efficacy 2525
grain stores, UK 1158
hay, sampling 5333
house dust, Hawaii 3199
man
acariasis 5865
allergies 321, 1158, 2531, 4339, 4342, 4832
Meles meles, animal burrows, Europe 467
- Accipiter gentilis**, *Craspedorrhynchus haemaopus*, Italy 3531
- Acephate** (*O,S*-dimethyl acetylphosphoramidothioate)
resistance, *Blattella germanica* 4137
toxicity
Blattella germanica 5476
Myotis lucifugus 1673
- Acetone**
attractants
Glossina 1865-1866, 1870
Glossina pallidipes 569
(5R,6S)-(-)-erythro-6-Acetoxy-5-hexadecanolate, chemistry, synthesis 2335
- 6-Acetoxy-5-hexadecanolate**
isomers, chemistry, synthesis 129
oviposition pheromones, *Culex quinquefasciatus* 5587
pheromones, *Culex quinquefasciatus* 1378
- Acetylcholinesterase**, inhibitors, reviews 405
- Achaearanea tabulata**, distribution, German Democratic Republic 2557
- Achaearanea tepidariorum**
behaviour, foraging 700
man, bites, Australia 3219
prey 2025
- Acheta domesticus**
biochemistry
eggs, moulting hormones 1954
esterases 4784
fatty acids, biosynthesis 5037
biology, development 3146
morphology, mouthparts 2464
physiology
circadian rhythm 283
excretion 3457
metabolism, stress 3147
neuroendocrine system, reproduction 5041
protein quality 3498
reproduction, fertilization 1953
ultrastructure
excretory system 280
Malpighian tubules 279
- Acholeplasma**, taxonomy, classification 2698
- Acilius sulcatus**, ponds, UK 5267
- Acomatacarus arizonensis**, distribution, USA 3815
- Acomys cahirinus**
Hyalomma arabica, Saudi Arabia 5301
Rhipicephalus turanicus, Saudi Arabia 5807
Rickettsia, Egypt 2619
- Acomys dimidiatus** (see *A. cahirinus*)
- Acquired immune deficiency syndrome** (see also Human immunodeficiency virus)
immunocompromised hosts, *Sarcoptes scabiei* 330, 333
man
immune response, Culicidae 5612
Sarcoptes scabiei 328
opportunistic infections, *Sarcoptes scabiei* 4837
- Acronium strictum**
hosts
Acari 2705
arthropods, Italy 4955
- Acrocephalus scirpaceus**, Sedlec virus, Czechoslovakia 714
- Acroceras amplecteus**, aquatic insects, Nigeria 5044
- Acroceridae**, Palaearctic Region, checklists 590
- Acrodontium crateriforme**, hosts, Acari 2705
- Acrolophus pholeter**
Gopherus polyphemus, animal burrows, USA 3106
taxonomy, new species 3106
- Actinomyces pyogenes**
Diptera, mechanical transmission 207
- Actinomyces pyogenes** cont.
vectors
Hydrotaea irritans
Denmark 1474
mechanical transmission 201-205, 210
Muscidae, German Federal Republic 206
Sarcoptes scabiei, transmission 3663
- Actornithophilus**, *Himantopus mexicanus*, USA 484
- Actornithophilus umbrinus**, *Steganopus tricolor*, USA 2186
- Adelina riouxi**, vectors, *Phlebotomus perniciosus*, Spain 5645
- Adlerius**, taxonomy, phylogeny 3631
- Aechmea aquilega**, Culicidae, Venezuela 5592
- Aechmea nudicaulis**, Culicidae, Venezuela 5592
- Aedeomyia**, taxonomy, chaetotaxy, wings 2977
- Aedes**
Australasia, catalogues 4093-4094
behaviour, larvae, locomotion 2257
Bunyavirus
transmission 728
USA 3889
California serogroup viruses, transmission 729
dengue virus, transmission 733
distribution, India 541-542
dwellings, USSR 1848
Ehrlichia risticii, USA 2606
forests, Guinea 2324
habitats, Nigeria 2332
horses, USA 893
insect viruses 2672
predators 2466, 2551
primin, derivatives, toxicity 2733
rearing techniques 5616
reproduction, ovarian development 1840
rice fields, reviews 4601
taxonomy
chaetotaxy, wings 2977
type specimens, South Africa 5585
vesicular stomatitis virus, transmission 5610
Wuchereria bancrofti, transmission 5165
- Aedes abserratus**, sodium chloride, effects, size 2308
- Aedes aegypti**
Aedes albopictus
interspecific competition 1367
mating, interspecific competition 2282
allergens, immunoblotting 4166
arboviruses
infection 2317
Madagascar 2258
azadirachtin, effects, ecdysone 20-monooxygenase 5419
- Bacillus sphaericus**
toxins
binding, receptors 3595
ingestion 3592
- Bacillus thuringiensis**
pathogenicity 77, 3590
toxins
effects, metabolism 5614
toxicity 141, 385, 2694, 3322, 4483, 4947
- bacteria, oviposition attractants 5147
- bacterial insecticides, effects, oviposition 1846
- behaviour
biting rates 2293
feeding, larvae 1801, 1831
feeding behaviour, larvae 3590
oviposition 2966-2967
plants, odours, orientation 165

***Aedes aegypti* cont.**

Billbergia pyramidalis, axils, USA
1390

biochemistry

catechol oxidase 2975

enzymes

assays 5456

development 2936

glutathione transferase 1797

neuropeptides 1804

polyamines 797

ribosomal RNA, fat body 5105

trypsin, biosynthesis 1802

vitellogenesis 137

vitellogenins 1796, 5566

biology

development 97

size 5131

blood-meals, near-infrared reflectance

spectroscopy 3577

Brugia, infection 4646

Brugia malayi

antigens 510

detection 1361

refractoriness 2936

Brugia pahangi, infection 932

cell lines

Bacillus thuringiensis, toxins, toxicity 378, 389, 2680

contamination 3556

Flavivirus, infection 158

cemetery vases, Philippines 2293

chikungunya virus

infections 1376

transmission 730

chlorpyrifos, toxicity, assays 1380

control

bed nets 990

biological control 2260, 4159, 4623,
5576, 5633

Cuba 3898

failure 134

growth regulators 1845, 4171

Guam 507

heat treatment 952

insecticides 509, 2330, 4616

bioassays 1832

integrated control 4157, 4172

polystyrene beads 545

DDT, resistance, aging 1842

dengue virus

French Polynesia 5364

infections 1377, 2983

Oceania 5362

Singapore 4172

South East Asia 711

diethyltoluamide

repellents 2159

efficacy 2951

Dirofilaria immitis, infection 2280

distribution

India 541

Madagascar 2258

Surinam 72

USA 100, 2286

dwellings

Mozambique 5607

Sri Lanka 2328

Trinidad and Tobago 2967

ecology

eggs, overwintering 1824

environmental factors 2258

interspecific competition 2959

nutrition 97

size 2253

reproduction 159

seasonal abundance 2328

electric field, effects 5572

entomopathogenic bacteria, toxins, toxicity 5935

entomopathogenic protozoa, pathogenicity 5533

entomopathogens, pathogenicity 1844

Erynia aquatica, infection 5597

filariids

infection 3931

infections 5176

transmission 5163

genetics

molecular genetics, ribosomes, genes
1007

***Aedes aegypti* cont.**

genetics cont.

mutants 3608

growth regulators

effects 3360

efficacy 961

toxicity 120

haematophagy, development 1381

Haemogregarina, transmission 4930

hexaflumuron, efficacy 4171

histology, salivary glands, aging 4178

hosts

blood-meals

digestion 1368

IgG 1404

human immunodeficiency virus,

mechanical transmission 497

insecticide resistance, resistance mechanisms 532, 5613

Isfahan virus, infection 5305

juvenile hormones, effects, fat body,
DNA 4615

lasers, effects, reproduction 4177

lectins, binding 1008

man

bites

immune response, detection
2329

USA 98

Comoros 5634

hypersensitivity, detection, immu-

noblotting 4167

repellents, efficacy 1238

metals, toxicity 4993

methoprene

effects

reproduction 1834

vitellogenesis 1798

molecular genetics, repetitive DNA

1809

monoclonal antibodies, trypsin 1795

morphology

eggs 2954

mouthparts, larvae 5116

morphotaxonomy, scanning electron

microscopy 5595

Onchocercidae, effects, flight 153

ontogeny, metamorphosis 5149

organophosphorus insecticides, susceptibility 5546

parasites, transmission 1648

permethrin

impregnated fabrics, efficacy 1829

repellents 2933, 5119

physiology

leucokinins 3458

Malpighian tubules, electrophysiology 5148

moulting hormones, sexual dimorphism 5149

oviposition, behaviour 1835

reproduction 1798, 1834

Plagiorchis noblei, infection 4652

Plasmodium, infectivity 2240

Plasmodium gallinaceum

antigens, immunity 2217

infection 1008

infections 2219

transmission 4638

predators, predation 980, 2287, 3603

pyrethroids, toxicity 2744

pyriproxyfen, efficacy 955

rearing techniques 1381

diets 5130

repellents 85, 2262

screening 967

Romanomermis culicivorax, cuticle,

penetration 3970

Ross River virus, transmission 750

sampling, eggs 5120

Semliki Forest virus, Central African

Republic 3561

starvation, development 5574

T-2 toxin, toxicity 5565

Tahyna virus, transmission 2326

taxonomy, morphotaxonomy, variation
2296

α -Terthienyl, toxicity 941

Tolypocladium cylindrosporum

ingestion, conidia, viability 3961

pathogenesis 3585

***Aedes aegypti* cont.**

Tolypocladium niveum, toxins, toxicity
5615

Trematoda, infectivity 2266

tyres

Singapore 2959

USA 110, 958, 2287

ultrastructure

midgut 2289-2290

oocytes, epithelium, diets 5598

urban areas

control 2965

Dominican Republic 4616

villages, Thailand 509

water containers

Belau 5905

Indonesia 2260, 4623

Myanmar 5576

Trinidad and Tobago 4636

wells, India 545

Wuchereria bancrofti, susceptibility
3550

yellow fever virus

Brazil 5910

vector competence 1409

Aedes africanus

chikungunya virus, transmission 730

Semliki Forest virus, Central African
Republic 3561

Aedes albopictus*Aedes aegypti*

interspecific competition 1367

mating, interspecific competition
2282

allergens, immunoblotting 4166

Alphavirus, China 529

arboviruses, USA 4631

behaviour

biting rates 2293

oviposition 2322, 5132-5133

biology

reproduction 144

size 5131

California serogroup viruses, transmission 2283

cattle, India 5525

cell lines

arboviruses, infection 548

Bacillus thuringiensis, toxins, toxicity 385, 389, 4483

dengue virus

assays 5909

enzyme immunoassay 3895

infection 4165, 4406

Flavivirus

infection 158, 4405

infections 5564

Germiston virus, detection, DNA
probes 4400

Iridovirus, infections 5932

Japanese encephalitis virus, infection 4414

La Crosse virus

infection 4399, 4412

infections 2601-2602

lactate dehydrogenase 130

Marituba virus, infection 1629

Mayaro virus

infection 4407

infections 2592

nucleosides, transport 138

Semliki Forest virus, infection 4403

Sindbis virus

infection 4164

heat shock proteins 4175

vesicular stomatitis virus, infection
2583

cemetery vases, Philippines 2293

chikungunya virus, infections 1376

control

biological control 4623

chemosterilization 4498

eradication 5544

Guam 507

heat treatment 952

insecticides 93, 509, 5528

integrated control 4157, 4172

dengue virus

infection 96, 3574

infections 1377, 2983

Oceania 5362

- Aedes albopictus* cont.
dengue virus cont.
sexual transmission 2320
Singapore 4172
susceptibility 145
vertical transmission 5535, 5545
development projects, Sri Lanka 1814-1815
- Dirofilaria immitis*
detection, ELISA 1823
infection 2280
Japan 1369, 3298
susceptibility 2948
distribution
Australia 5135
India 541-542
Madagascar 2258
USA 92, 100, 2268, 2286, 4631, 5547
- dogs, feeding behaviour 2956
eastern equine encephalitis virus, infection 5540
ecology
eggs, overwintering 1824
environmental factors 2258
interspecific competition 2959
entomopathogenic protozoa, pathogenicity 5533
genetics
enzymes, gene mapping 1370
genomes, phenotypic correlation 1012
population genetics 3604
ribosomes, DNA, genetic variation 1395
insecticides
susceptibility 84, 2268
USA 2263
malathion, toxicity 96
man
hypersensitivity, detection, immunoblotting 4167
immune response 5121
Pakistan 75
methoprene, efficacy 5568
morphology
eggs 147, 2954
mouthparts 4196
North America, control 1001
Orbivirus, pathogenicity 4174
organophosphorus insecticides, susceptibility 5537
Plasmodium gallinaceum, development, antimalarials 4655
rearing techniques 139
repellents 2262
efficacy 75
reproduction, sexual isolation 985
sampling, eggs 5120
Tolypocladium cylindrosporum, pathogenesis 3591
tree holes, USA 1363
Trypanosoma scotophili, infection 3542
tyres
Singapore 2959
South Africa 549
USA 93, 110, 5528
urban areas
Japan 1369
USA 5526
USA 84, 5544
villages, Thailand 509
water containers
Belau 5905
Indonesia 4623
- Aedes albothorax*, flooded land, Kenya 950
- Aedes w-albus*
development projects, Sri Lanka 1814
man, Pakistan 75
repellents, efficacy 75
- Aedes alcasidi*
Brugia pahangi, susceptibility 523
genetics, mating, reproductive isolation 5156
- Aedes annulipes*
distribution, France 2974
hosts, Sweden 4188
mosquito-borne diseases, Sweden 4188
- Aedes atlanticus*
Keystone virus, transmission 1406
man, USA 963
- Aedes atropalpus*
Amblyospora connecticus, pathogenicity 2313
distribution, USA 100
entomopathogenic protozoa, pathogenicity 5533
tyres, USA 78, 975, 2268
- Aedes axitiosus*, taxonomy, new species 5581
- Aedes bahamensis*
distribution, USA 99
ecology, reproduction 159
morphology, eggs 2954
tyres, USA 958
- Aedes brelandi*
La Crosse virus, vector competence 152
tree holes, Morocco 1393
- Aedes camptorhynchus*
Dirofilaria immitis, vector competence 5178
Ross River virus
Australia 4603
transmission 750
- Aedes canadensis*
control, microbial pesticides 2304
eastern equine encephalitis virus, USA 1407
sodium chloride, effects, size 2308
- Aedes cantans*
age determination 4189
Amblyospora weiseri, life cycle 4657
distribution, France 2974
ecology
feeding behaviour 550
parous rates 4189
hosts, Sweden 4188
man, UK 4189
mosquito-borne diseases, Sweden 4188
sheep, UK 550
yeasts, USSR 161
- Aedes cantator*
Amblyospora connecticus
development 3965
pathogenicity 2313
control
biological control 969, 2312
microbial pesticides 4635
entomopathogenic protozoa 3586
predators, predation 2312
salt marshes, USA 969, 4635
- Aedes caspius*
Bacillus thuringiensis, pathogenicity 5554
breeding places, Israel 3575
hosts, Egypt 1398
Setaria labiata papillosa, USSR 2650
Tahyna virus, Austria 3899
- Aedes caspius caspius*
entomopathogenic protozoa 3325
Iridovirus, *Lymantria dispar*, cell lines, infections 5571
rearing techniques, algorithms 900
- Aedes cataphylla*
arboviruses, USSR 1010
distribution, Pakistan 5569
fertilizers, effects 1843
taxonomy, redescription 5569
water reservoirs, USSR 1849
- Aedes chrysolineatus*, distribution, India 541
- Aedes cinereus*
arboviruses, USSR 1010
distribution, France 2974
hosts, Sweden 4188
mosquito-borne diseases, Sweden 4188
Ockelbo virus, transmission 4639
sodium chloride, effects, size 2308
water reservoirs, USSR 1849
- Aedes circumluteolus*, control, growth regulators 2306
- Aedes circumscriptus*
ecology, spatial distribution 950
flooded land, Kenya 950
- Aedes communis*
arboviruses, USSR 1010
California serogroup viruses, USSR 2594
distribution, France 2974
hosts, Sweden 4188
morphology, mouthparts 4196
mosquito-borne diseases, Sweden 4188
- Aedes communis* cont.
Ockelbo virus, transmission 4639
predators, predation 250
water reservoirs, USSR 1849
yeasts, USSR 161
- Aedes culicinus*
man, Pakistan 75
repellents, efficacy 75
- Aedes cumminsii*
control, growth regulators 2306
ecology, spatial distribution 950
flooded land, Kenya 950
- Aedes daitensis*, methoprene, efficacy 5568
- Aedes daliensis*, taxonomy, nomenclature 4093
- Aedes dentatus*
control, growth regulators 2306
ecology, spatial distribution 950
flooded land, Kenya 950
- Aedes detritus*, water reservoirs, USSR 1849
- Aedes diantaeus*
morphology, mouthparts 4196
yeasts, USSR 161
- Aedes dorsalis*
arboviruses, USA 107
diethyltoluamide, repellents, efficacy 2277
ethohexadiol, repellents, efficacy 2279
grasslands, burning 12
salt marshes, USA 2277, 2279
- Aedes duplex*, distribution, Romania 508
- Aedes durbanensis*, hosts, South Africa 505
- Aedes echinus*
ecology, population ecology 1393
natural enemies 1393
tree holes, Morocco 1393
- Aedes epactius*
Amblyospora connecticus, pathogenicity 2313
entomopathogenic protozoa, pathogenicity 5533
insecticides, efficacy 5142
 α -Terthienyl, toxicity 941
- Aedes eueues*, carbon dioxide, attractants 959
- Aedes excrucians*
arboviruses, USSR 1010
carbon dioxide, attractants 959
hosts, Sweden 4188
morphology, mouthparts 4196
mosquito-borne diseases, Sweden 4188
Ockelbo virus, transmission 4639
yeasts, USSR 161
- Aedes fitchii*
carbon dioxide, attractants 959
control, microbial pesticides 2304
Erynia aquatica, infection 5597
sodium chloride, effects, size 2308
- Aedes flavescens*
fertilizers, effects 1843
water reservoirs, USSR 1849
- Aedes flavopictus downsi*, reproduction, sexual isolation 985
- Aedes fluviatilis*
behaviour, oviposition, colour 5596
distribution, Brazil 5594
- Aedes fowleri*, Rift Valley fever virus, vector competence 1813
- Aedes furcifer*, chikungunya virus, transmission 730
- Aedes geminus*, distribution, France 2974
- Aedes geniculatus*
ecology, population ecology 1392
tree holes, Morocco 1393
water reservoirs, USSR 1849
- Aedes hatorii*, morphology, mouthparts 4196
- Aedes hendersoni*
La Crosse virus, vector competence 152, 2958
tyres, USA 943
- Aedes impiger*, entomophilic nematodes, USA 5532
- Aedes indicus*, distribution, Nepal 1362
- Aedes infirmatus*
distribution, USA 2337
man, USA 963
- Aedes iriomotensis*, methoprene, efficacy 5568

- Aedes japonicus***
Japanese encephalitis virus, vector competence 2949
morphology, larvae, mouthparts 2339
pigs, Japan 3571
- Aedes josiahae***
Tanzania 2937
taxonomy, new species 2937
- Aedes kanarensis***, taxonomy, larvae 5583
- Aedes katharinensis*** (see *A. scutellaris katharinensis*)
- Aedes koreicus***, morphology, mouthparts 4196
- Aedes krombeini***, morphology, abnormalities 5580
- Aedes longifilamentus***, taxonomy, new species 5556
- Aedes lunulatus***, taxonomy, nomenclature 4093
- Aedes luteocephalus***, chikungunya virus, transmission 730
- Aedes malayensis*** (see *A. scutellaris malayensis*)
- Aedes mcintoshi***
control, growth regulators 2306
ecology
biting rates 5530
spatial distribution 950
flooded land, Kenya 950
gynandromorphs 2305
hosts, Kenya 5530
- Aedes mediovittatus***, taxonomy, morphotaxonomy, eggs 1366
- Aedes melanimon***
arboviruses, USA 107
control
insecticides 117
microbial pesticides 1403
Lagenidium giganteum, pathogenicity 4624
- Aedes nevadensis***, entomophilic nematodes, USA 5532
- Aedes nigrinus***, distribution, Czechoslovakia 5558
- Aedes nigromaculis***
control
insecticides 117
microbial pesticides 1403
- Aedes normanensis***
arboviruses, Australia 1822
Ross River virus, transmission 750
- Aedes notoscriptus***
Dirofilaria immitis, vector competence 5178
distribution, New Zealand 5542
- Aedes novalbopictus***, development projects, Sri Lanka 1814-1815
- Aedes ochraceus***
ecology, biting rates 5530
hosts, Kenya 5530
- Aedes pallidostriatus***, distribution, Nepal 1362
- Aedes pipersalatus***, distribution, Nepal 1362
- Aedes poicilius***, *Wuchereria bancrofti*, Philippines 3553
- Aedes polynesiensis***
Brugia pahangi, susceptibility 523
dengue virus
French Polynesia 5364
Oceania 5362
filiariids, infections 5176
Ross River virus, transmission 750
- Aedes provocans***, sodium chloride, effects, size 2308
- Aedes pseudalbopictus***, *Alphavirus*, China 529
- Aedes pseudoscutellaris***
Brugia pahangi, susceptibility 523
cell lines
Flavivirus, infection 158
Japanese encephalitis virus, infection 4414
- Aedes pulchritarsis***, tree holes, Morocco 1393
- Aedes pullatus***
entomophilic nematodes, USA 5532
morphology, mouthparts 4196
- Aedes punctifemoris***, distribution, Nepal 1362
- Aedes punctor***
arboviruses, USSR 1010
ecology
population ecology 3597
reproduction 159
size 3598
entomophilic nematodes, USA 5532
hosts, Sweden 4188
man, UK 3597-3598
morphology, mouthparts 4196
mosquito-borne diseases, Sweden 4188
reproduction, fecundity 3598
sodium chloride, effects, size 2308
water reservoirs, USSR 1849
yeasts, USSR 161
- Aedes refiki***
distribution
France 2974
Romania 508
- Aedes riversi***
distribution, Japan 5584
genetics, mating, reproductive isolation 5156
methoprene, efficacy 5568
reproduction, sexual isolation 985
- Aedes rusticus***, distribution, France 2974
- Aedes scapularis***
behaviour, feeding behaviour 74
distribution, Surinam 72
dwellings, Brazil 5601
hosts, Brazil 74
- Aedes scutellaris***
filiariids, infections 5176
genetics, mating, reproductive isolation 5156
- Aedes scutellaris katharinensis***, *Brugia pahangi*, susceptibility 523
- Aedes scutellaris malayensis***, filiariids, infections 5176
- Aedes serratus***, distribution, Surinam 72
- Aedes sierrensis***
Amblyospora connecticus, pathogenicity 2313
blood-meals, near-infrared reflectance spectroscopy 3577
ecology 2315
entomogenous fungi, pathogenicity 3589
entomopathogens 1396, 2315
Lambornella clarki, pathology 1819
man, feeding behaviour, inhibition 1819
monitoring, traps 1372
tree holes, USA 11, 1396, 2315, 3589
- Aedes sollicitans***
control, microbial pesticides 4635
eastern equine encephalitis virus, USA 5177
ecology, dispersal 5177
insect viruses, USA 2309
methoprene, toxicity 1273
repellents, screening 967
salt marshes, USA 4635
- Aedes spilotus***, ecology, phenology 1309
- Aedes sticticus***
distribution, France 2974
sodium chloride, effects, size 2308
- Aedes stimulans***
carbon dioxide, attractants 959
control, microbial pesticides 2304
sodium chloride, effects, size 2308
- Aedes subsimilis***, taxonomy, nomenclature 4184
- Aedes sudanensis***, control, growth regulators 2306
- Aedes tabu*** (see *A. tongae tabu*)
- Aedes taeniorhynchus***
attractants 2271
behaviour, feeding behaviour 5539
brackish water, USA 4632
citrus groves, USA 90
control 90
growth regulators 4632
insecticides 87
microbial pesticides 2303
nontarget effects 2787
detection, eggs 2310
diethyltoluamide, repellents, efficacy 970
Diomedea irrorata, Galapagos 5112
distribution, Surinam 72
ecology, reproduction 159
- Aedes taeniorhynchus* cont.**
horses, hypersensitivity 5185
insect viruses, USA 2309
Leptolegnia chapmanii, pathogenicity 393
man
bites
immune response, detection 2329
USA 98
hypersensitivity 5612
repellents, efficacy 1238
USA 968, 970
mangrove forests, models, ecology 5461
repellents
efficacy 968
screening 967
rice fields, USA 2303
salt marshes, USA 5539
soil, USA 2310
Wuchereria bancrofti, susceptibility 3550
- Aedes taylori***
chikungunya virus, transmission 730
flooded land, Kenya 950
- Aedes thelcter***, distribution, USA 94, 4633
- Aedes thomsoni***
distribution, Nepal 1362
man, Pakistan 75
- Aedes togoi***
biochemistry
enzymes 1803
lyases 2970
Brugia malayi, Korea Republic 2987
distribution, Canada 5550
filiariids, infections 5176
genetics, biochemical genetics 939
histology, salivary glands, aging 4178
man, hypersensitivity, detection, immunoblotting 4167
sampling, larvae 5134
- Aedes tongae tabu***, *Brugia pahangi*, susceptibility 523
- Aedes tormentor***, man, USA 963
- Aedes tremulus***, Kunjin virus, Australia 1627
- Aedes triseriatus***
Amblyospora connecticus, pathogenicity 2313
behaviour
feeding behaviour 5115
techniques 1408
flight 157, 3599
oviposition 2950
biology, size 5131
cell lines, La Crosse virus, infection 4399
distribution, USA 2286
ecology
eggs, overwintering 1824
environmental factors 1397
interspecific competition 2959
population ecology 1392, 2251, 5115
spatial distribution 5536
entomopathogenic protozoa, pathogenicity 5533
genetics, biochemical genetics, inbreeding 3570
La Crosse virus, vector competence 152, 2958
morphology, eggs 2952
predators, predation 4602
tree holes, USA 526, 1363, 4602, 5536
tyres, USA 78, 943, 1397, 2251, 2268, 2959
- Aedes trivittatus***
Dirofilaria immitis
effects, flight 1794
infection 4168
entomophilic nematodes 973
physiology, immune system 4168
- Aedes unidentatus***
control, growth regulators 2306
flooded land, Kenya 950
- Aedes vexans***
arboviruses, USSR 1010
Bacillus thuringiensis, pathogenicity 77
biochemistry, carbohydrates, size 949
carbon dioxide, attractants 959

- Aedes vexans* cont.
control
Guam 507
insecticides 5599
distribution, UK 3562
ecology, nutrition, size 2253
entomophilic nematodes 973, 2288
man, USA 963
morphology, mouthparts 4196
Tahyna virus, German Federal Republic 3899
western equine encephalitis virus, USA 2297
- Aedes vexans nipponii*, pigs, Japan 3571
- Aedes vexans nocturnus*, control, integrated control 4157
- Aedes vigilax*
control, environmental management 2259
dengue virus, Oceania 5362
Dirofilaria immitis, vector competence 5178
Ross River virus, transmission 750
salt marshes, Australia 2259
Aedes vittatus, man, Pakistan 75
Aedes zoosophus, La Crosse virus, vector competence 152
- Apyceros melampus*
Amblyomma, South Africa 5832
Boophilus florum, Mozambique 5816
aerial application, diazinon, granules 3163
aerial spraying
deltamethrin, drift 801
droplet studies
equipment 4969
models 118
equipment, agitators 2728
Protonotaria hydrophilla, contamination, insectaries 95
aerosols, droplet studies, sentinel cages 2729
Ashna, prey, *Culex tarsalis* 1818
Ethiopia curranii, taxonomy, new name 2396
Ethiomyia namaquensis, *Yersinia pestis*, South Africa 5376
Ethion morelandi
Nemadactylus macropterus, Atlantic Ocean 3872
taxonomy, redescription 3872
Afghanistan
dogs, ectoparasites 1955
Sarcophagidae 2398
- Africa**
Anopheles 4169
entomology, research institutes 4518
eye diseases, control 4879
Ixodidae 638
malaria, control 2241
African horse sickness virus
epidemiology, reviews 724
horses
Saudi Arabia 1185
Spain 3903
African swine fever virus
epidemiology, reviews 725
vectors
Ornithodoros, virus clearance 1540
Ornithodoros erraticus
Portugal 3820
Spain 4806
Ornithodoros moubata
Malawi 647
Zambia 2475
Protoparvus apodemi
ecology, seasonal abundance 5856
Muridae, Spain 5856
tropical Region, insects, keys 4088
Tabetes svetlanae, taxonomy, new species 2436
- Tabanus*
prey, *Culex tarsalis* 1818
taxonomy, revision 5266
Tabanus bipustulatus, ponds, UK 5267
Tabanus confinis, prey, *Aedes communis*, predation 250
Tabanus congener, prey, *Aedes communis*, predation 250
Tabanus erichsoni, prey, *Aedes communis*, predation 250
Tabanus labiatus, ponds, UK 5267
- Agabus lapponicus*, prey, *Aedes communis*, predation 250
Agabus melanocornis, ponds, UK 5267
Agabus nigroaeneus, distribution, Switzerland 254
Agabus opacus, prey, *Aedes communis*, predation 250
Agabus subtilis, prey, *Aedes communis*, predation 250
Agama agama, *Foleyella candezi*, Nigeria 933
Aganippe subtristis, man, bites, Australia 3219
Agelenopsis aperta
toxins
neurobiology 4853
reviews 5342
Agkistrodon piscivorus, *Porocephalus crotali*, USA 3881
Agmenellum quadruplicatum, *Bacillus thuringiensis*, toxins, cloning 2694
Agriya 1060, tetratogenesis, sheep 1685
Agrotis infusa, allergens 3074
AIDS (see also Human immunodeficiency virus)
Aino virus, epidemiology, reviews 752
Aircraft
Chrysomya bezziana, Australia 4234
Diptera, control, insecticides 3333
insects, control, insecticides 3976
Airports
Anopheles, Europe 4452
Leptocera fuscipennis, Japan 1087
Musca vitripennis, Azores 1885
Akabane virus
epidemiology, reviews 752
livestock, Arabian Peninsula 346
vectors, *Culicoides*, transmission 4670
Akodon, *Akodonacarus martini*, Chile 3194
Akodonacarus, taxonomy, new genus 3194
Akodonacarus martini
Akodon, Chile 3194
taxonomy, new species 3194
Aktellic (see Pirimiphos-methyl)
Alachlor, toxicity, *Chironomus riparius* 3090
Alauda arvensis
Dermanyssus alaudae, Poland 1995
Menacanthus alaudae, Italy 3531
Albania, Formicidae, checklists 1948, 2459
Alcephalus bucephalus, *Oestrus ovis*, Tanzania 2409
Alces alces
Dermacentor albipictus
sampling 3171
skin diseases 5298
parasites, Canada 3185
Alcistine (see Triflumuron)
Aldicarb (2-methyl-2-(methylthio)propanal O-[(methylamino)carbonyl]oxime)
contamination, milk, treatment 2106
degradation, soil 3392
effects, fowls, esterases 4046
inhibition, *Musca domestica*, enzymes 3356
poisoning, man 428
Aldrichina grahami
cattle dung, China 5718
parasitoids, parasitism 5783
Aldrin ((1 α ,4 α ,4 α β ,5 α ,8 α ,8 α β)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene)
effects
rats
behaviour 1260
lactation 2772
histamine, release 5966
residues, milk, analytical methods 4061
resistance, *Culex pipiens*, Egypt 4191
toxicity, *Rana tigrina* 4022
Alembion, evolution, phylogeny 3868
Alembion lobatus
Carcharhinus plumbeus, Atlantic Ocean 3868
taxonomy 3868
Alectoris rufa, malathion, metabolism 5972
Aleochara
hosts, Diptera 5694
- Aleochara* cont.
poultry housing, South Africa 601
prey, *Haematobia irritans* 1468
Aleochara puberula, pesticides, nontarget effects 4704
Aleochara villosa, pesticides, nontarget effects 4704
Aleuroglyphus ovatus, house dust, Egypt 2013
Aleuroglyphus zaheri
house dust, Egypt 2013
taxonomy, new species 2013
Alfacron (see Azamethiphos)
Algeria
Aphodius longitarsalis 4256
Dasyhelea skierskae 553
Metastigmata 1976
trachoma, epidemiology 4909-4910, 5378
Alilaea, taxonomy, new subgenus 5685
Aliphatic diols, repellents, Culicidae 85
6-Alkylthio-2-pyridyl alkanesulfonates, chemistry, synthesis 3992
Allamanda cathartica, extracts, *Anopheles stephensi* 1838
Allantomena, vectors, *Musca autumnalis*, India 4713
Allergens
Acari, cross reactivity 2010
Apis mellifera, venoms 4272
Blattella germanica, characterization 4132
Camptochironomus tentans, haemoglobin 4243
Chironomidae, cross reactivity 5259
Chironomus, Crustacea, cross reactivity 1098
Culicidae, immunoblotting 4166
Dermatophagoides
antigen antibody reactions 4833
characterization 4346
detection, immunoblotting 4351
dwellings 324
German Federal Republic 2526
Japan 4335
reduction 4354
house dust, USA 325, 4834
IgE, RAST 319
immunoassay 2527, 2530
lymphocytes, antigen antibody reactions 2528
mice, immune response 4347
quantification, guanine 2011
radioimmunoassay 4334
Dermatophagoides farinae
characterization 4345
extracts, proteinases 4337
house dust, Norway 4355
immunoblotting 5330
sampling, RAST 1163
Dermatophagoides pteronyssinus 4329
detection
immunoblotting 4349
immunological techniques 1597
DNA, cloning 4331
extracts 4336
fluorescence microscopy 4835
house dust 4353
Europe 3205
laboratory animals, immune response 4328
liposomes 5868
purification 4348
standards 4330, 4344
Dolichovespula maculata, venoms, nucleotide sequences 1514
house dust 1166
characterization 5326
immunoelectrophoresis 1161
house dust mites
cross reactivity 4341
guanine, assays 2532
nursery schools, German Federal Republic 2535
Ixodes holocyclus
characterization 4299
IgE, diagnostic techniques 5284
immunoblotting 3170
reviews 1532
Lucilia cuprina 3074

Allergens cont.

- Periplaneta americana*, characterization 4131
protein blotting, reviews 1712
Solenopsis invicta, venoms 4280, 4282
storage mites, cross reactivity 321
Vespa crabro 4279

Allergies

- Alphitobius diaperinus*, man 253
Apis mellifera, pollen, man 266
arthropods
 dogs 5400
 man 374, 5396
Blattaria, man 35, 5058
Blattella germanica, man 911
Dermatophagoides
 dogs, reviews 2009
 man 1162, 2536, 3201, 5327, 5866
 diagnosis 3202, 4356
 reviews 2534
 treatment 2533
Dermatophagoides farinae
 dogs 5334
 guineapigs 4338
 man 3204, 4333, 4343, 5329, 5864
 enzyme immunoassay 4350
Dermatophagoides pteronyssinus
 man 322, 372, 2529, 3303, 3307, 4332, 4352
 diagnosis 3208, 5394-5395, 5397
 treatment 320, 326, 1159, 3207, 4472
ectoparasites, cats 2015
house dust mites
 man 4339, 5328
 books 3401
 clinical trials 1160
 diagnosis 1164
insects, man, reviews 3306
man
 pesticides 5966
 skin tests 3309
skin tests, dogs 4943
Stenotarsonemus pashini, man 1998
storage mites, man 321, 1158, 2531, 4342, 4832
Trichoptera, man 4782
Allersearch DMS, control, *Dermatophagoides* 4354
Allethrin (2-methyl-4-oxo-3-(2-propenyl)-2-cyclopenten-1-yl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropane-carboxylate)
control, *Pediculus capitis* 42
effects
 γ -aminobutyric acid, receptors 4041
 benzodiazepine, receptors 4042
 nervous system 4043
mutagenicity, bacteria 4014
resistance
 Blattella germanica 4137
 resistance mechanisms 3528
 Musca domestica, resistance mechanisms 4219
safety, books 4524
(1*R*-*trans*)- (see Bioallethrin)
[1*R*-[1 α (*S**),3 β]]-, resistance, *Musca domestica*, resistance mechanisms 3653
(1*R*-*cis-trans*)-, control, *Anopheles* 954
[1*R*-[1 α (*S**),3 β]]-, control, *Dermatophagoides* 1165
Alliaria officinalis, extracts, toxicity, ectoparasites 3828
Alligator mississippiensis, *Sebekia mississippiensis*, USA 2570
Alliphis sicalus, *Arvicola terrestris*, nests, Switzerland 4321
Allium canadense, *Romalea guttata*, defensive secretions 3782
Allolobophora caliginosa (see *Aporrectodea caliginosa*)
Allonematidae, hosts, insects, Poland 3330
Alloptes, seabirds, Alaska 4849
Allothrombium metae, taxonomy, nomenclature 2024
Allothrombium muscaparasiticae
 hosts, *Musca domestica*, India 4822
 taxonomy, new species 4822
Alluaudomyia, taxonomy 554

- Alluaudomyia punctiradialis*, taxonomy, nomenclature 5983
Alluaudomyia punctivenosa, taxonomy, new name 5983
Alluaudomyia spinellii, taxonomy, new name 5983
Alluaudomyia tripunctata, taxonomy, nomenclature 5983
Alocasia macrorrhiza, Culicidae, Venezuela 5592
Alouatta, yellow fever virus, Trinidad and Tobago 5113
Alpha-cypermethrin
 control, Ixodidae 4298
 structure activity relationships, *Musca domestica* 1887
Alphamethrin (see Alpha-Cypermethrin)
 toxicity, arthropods 2091
Alphavirus, vectors, Culicidae, China 529
Alphitobius diaperinus
 control 248
 environmental management 603
 man, allergies 253
 morphology, mouthparts 602
 pheromones 3746
 poultry droppings, environmental factors, dispersal 3748
 poultry housing
 construction, damage 3748
 control 1105
 damage 248
 German Federal Republic 603
 South Africa 601
 USA 247
 prey
 Musca domestica, predation 1930
 Triatominae 48
Alphitobius laevigatus, stored products, New Zealand 4753
Alphitobius piceus
 control, *Musca domestica* 1452
 poultry housing, Brazil 1452
Alsomyia nidicola, hosts, *Euproctis chrysorrhoea*, parasitism 3110
Alsystin (see Triflumuron)
Alticola, *Haemaphysalis*, Mongolia 1572
Altosid (see Methoprene)
Alugan (see Bromocyclen)
Aluminium, distribution, Chironomidae, X ray microprobe analysis 3721
Alveonasus lahorensis (see *Ornithodoros lahorensis*)
Alysia manducator
 control, Calliphoridae 3071
 hosts, Diptera, parasitism 2441
Alysia stramineipes, hosts, Calliphoridae 3071
Amalaraeus arvicolae
 distribution, Italy 5521
 small mammals, Czechoslovakia 68
Amalaraeus penicilliger, small mammals, Czechoslovakia 68
Amblyomma
 azadirachtin, effects, vitellogenesis 1959
 cattle, Africa 5843
 control, reviews 5845
 Cowdria ruminantium
 control 5843
 transmission 5830
 Crimean-Congo haemorrhagic fever virus, transmission 732
 game animals, Kenya 1990
 physiology, salivary glands, degeneration 1959
 taxonomy, keys, adults, USA 3161
Amblyomma americanum
 amenity and recreation areas, USA 5291
 antigens, salivary glands 2501
 biochemistry, salivary glands, inositol phosphates 1960
 biology, diapause 1574
 Borrelia burgdorferi
 transmission 1562
 USA 1552
 vector competence 5296
 cattle
 animal behaviour, host parasite relationships 2493
 attachment 3795

Amblyomma americanum cont.

- cattle cont.
 control, polyfluoro 1,3-diketones 3357
 feeding 1543
 liveweight gain 5295
control
 acaricides 3163, 4789, 5295
 integrated control 1573, 5291
deer, USA 4789
Dugbe virus, infection 3796
ecology, population ecology 1967
Ehrlichia risticii, transmission 2495
forests, USA 3163
growth regulators, effects, salivary glands 1961
hosts, USA 1573, 3812
Odocoileus virginianus, USA 1967
Peromyscus leucopus, USA 5296
plant extracts, repellents 3816
salivary glands, secretions, biotechnology 1529
sampling 659
sex pheromones 3803
surveillance, remote sensing 2862
Amblyomma astrion
 Cowdria ruminantium, transmission 5831
 ecology, reviews 5797
Amblyomma barbaricum, taxonomy, nomenclature 5819
Amblyomma cajennense
 cattle, Argentina 3177
 Cowdria ruminantium, America 5833
 distribution, Venezuela 1976
 ecology, seasonal abundance 3177
 horses, Colombia 4287
 taxonomy, chemotaxonomy 1969
 tickborne diseases, Cuba 4805
Amblyomma cohaerens
 cattle, Kenya 4298
 control, acaricides 4298
 ecology, reviews 5797
Amblyomma crenatum, taxonomy, nomenclature 5817
Amblyomma dubiatum, taxonomy, validity 5819
Amblyomma eburneum, taxonomy, validity 5819
Amblyomma formosanum, taxonomy, nomenclature 5819
Amblyomma fuscumaculatum, taxonomy, validity 5819
Amblyomma gemma
 ecology, reviews 5797
 laboratory animals, resistance 1530
Amblyomma goeldii, taxonomy, nomenclature 5819
Amblyomma hebraeum 4808
 biochemistry
 eggs 5839
 moulting hormones 1958
 salivary glands, secretions 5838
cattle
 Africa 5842
 liveweight gains 667
 South Africa 4808, 5806
 Zimbabwe 5808
control, acaricides 5841-5842, 5844, 5849
Cowdria ruminantium
 detection, ELISA 3826
 infection, techniques 5840
 infections 5828-5829
 South Africa 5835
 transmission 1545, 4807, 5831
 Zimbabwe 5808
ecology
 reviews 5797
 seasonal abundance 5806
Geochelone pardalis, South Africa 5849
hosts, South Africa 5832
laboratory animals, immune response 1139
livestock, South Africa 5841, 5844
rearing techniques 5840
Synceros caffer, Ivory Coast 3786
Amblyomma imitator, taxonomy, chemotaxonomy 1969

- Amblyomma lepidum**
Cowdria ruminantium, transmission 5831
 ecology, reviews 5797
- Amblyomma limbatum**
 ecology, interspecific competition 4794
Trachydosaurus rugosus, Australia 4794
- Amblyomma loculosum**, arboviruses, Australia 5847
- Amblyomma maculatum**
 control, acaricides 5841
Cowdria ruminantium, America 5833
 distribution, Venezuela 1976
 Dugbe virus, infection 3796
 sex pheromones 3803
- Amblyomma marmoreum**
 control, acaricides 5849
 ecology, reviews 5797
Geochelone pardalis, South Africa 5849
 hosts, South Africa 5832
- Amblyomma neumanni**
 cattle, Argentina 3177
 ecology, seasonal abundance 3177
- Amblyomma parvum**
 cattle, Argentina 3177
 ecology, seasonal abundance 3177
- Amblyomma pomposum**
Cowdria ruminantium, transmission 5831
 ecology, reviews 5797
 taxonomy 5818
- Amblyomma sabanerae**, taxonomy, validity 5819
- Amblyomma sparsum**
 ecology, reviews 5797
Varanus niloticus, Kenya 4799
- Amblyomma subluteum**, taxonomy, validity 5817
- Amblyomma superbum**, taxonomy, validity 5818
- Amblyomma testudinarium**, goats, Indonesia 4845
- Amblyomma tholloni**, ecology, reviews 5797
- Amblyomma triguttatum**, man, bites 5846
- Amblyomma variegatum**
 biochemistry, eggs, moulting hormones 1958
 cattle
 Africa 5842
 Antigua 650
 Ghana 4813
 Kenya 4298
 liveweight gain 1136
 Madagascar 1548
 resistance 642
 St. Kitts-Nevis 3824
 Zambia 1135
 control
 acaricides 1136, 1549, 4298, 5841-5842
 environmental management 645
 fumigants 1137
Cowdria ruminantium
 assays 2476
 Caribbean 5833
 Guadeloupe 5834
 infections 5828
 Mali 770
 transmission 5831, 5836
 Zaire 3919
 Crimean-Congo haemorrhagic fever virus, Madagascar 1548
Dermatophilus congolensis, Antigua 650
 distribution, Tanzania 1976
 Dugbe virus, vector competence 3175
 ecology
 phenology 4304
 population ecology 1135
 reviews 5797
 laboratory animals
 immune response 1139
 resistance 1530
 livestock
 Antigua 1549
 effects, liveweight gain 646
Mycobacterium farcinogenes, Ghana 4813
- Amblyomma variegatum** cont.
 pastures
 Guadeloupe 645
 Zambia 4304
 rabbits, histopathology 4800
Synceros caffer, Ivory Coast 3786
 taxonomy 5818
- Amblyopini**, evolution, phylogeny 1503
- Amblyopinodes**, evolution, phylogeny 1503
- Amblyopinus**, evolution, phylogeny 1503
- Amblyospora bracteata**, hosts, Simuliidae, Argentina 1027
- Amblyospora campbelli**
 hosts, *Culiseta incidens*, infection 155
 intermediate hosts, Copepoda, infection 155
- Amblyospora connecticus**
 control, *Aedes cantator* 969, 2312
 hosts
 Acanthocyclops vernalis, pathogenicity 3586
 Aedes cantator, development 3965
 Culicidae, pathogenicity 2313
 Microspora 3965
 taxonomy, new species 3965
- Amblyospora dyxenoides**
 hosts
 Culex annulirostris, pathogenicity 3593
 Mesocyclops, pathogenicity 3594
- Amblyospora weiseri**
 hosts, *Aedes cantans*, life cycle 4657
 taxonomy, new species 4657
- Ambositriniae**, taxonomy, keys, New Zealand 4108
- American Samoa**
 dengue virus, epidemiology 5362, 5370
 Ross River virus, epidemiology 4413
- Ameson hybomitrae**
 hosts, *Hybomitra* 3326
 taxonomy, new species 3326
- Amide insecticides**, toxicity, insects 2082-2084, 2745-2747
- Aminocarb** (4-(dimethylamino)-3-methylphenyl methylcarbamate)
 formulations
 aerial spraying, droplet studies 2078
 ultralow volume spraying, temperature 2749
 residues, fishes, analytical methods 433
 sublethal effects, mice, immunosuppression 4036
- Amitraz** (*N'*-(2,4-dimethylphenyl)-*N*-[(2,4-dimethylphenyl)imino]methyl]-*N*-methylmethanimidamide)
 against
 Demodex canis 676
 ectoparasites 677
 Haematopinus euryesternus 488
 control
 Amblyomma 5849
 Amblyomma variegatum 1549
 Boophilus annulatus 2494
 Demodex 3197
 Demodex canis 1584, 2000, 3832
 Ixodidae 1136, 3813, 5295
 Psorobia ovis 4326
 Sarcoptes scabiei 4843
 effects
 dogs
 hyperglycaemia 2768
 nervous system 4053, 4056
 Periplaneta americana, inhibition, octopamine 2888
 rats, behaviour 1682
 stability, dipping 2494
 toxicity
 Boophilus microplus 2473
 Dermatophilus congolensis 812
- Amioplites rupestris**, *Bacillus thuringiensis*, effects 2358
- Ammotragus lervia**, ectoparasites, Poland 1353
- Amobia pelopei**, distribution, Afghanistan 2398
- Amorphacarus parvisetosus**, *Neomys*, Poland 2547
- Amphalius clarus**, small mammals, China 2210
- Amphipsylla nana**, taxonomy, nomenclature 1347
- Amphipsylla rossica**, rodents, USSR 4290
- Amphipsylla vinogradovi**
 small mammals, China 2210
 taxonomy, nomenclature 1347
- Ampliops lucids**, prey, *Culex pipiens*, predation 4160
- Amyrsidea perdicis megalosoma**
 morphometrics, nymphs 487
Phasianus colchicus, Poland 487, 1327
- Anabrus simplex**
 insects as food, protein quality 903
 protein quality 3498
- Ananteris festae**, distribution, Ecuador 2034
- Anaphlebotomus**, taxonomy, phylogeny 3631
- Anapidae**, taxonomy, keys, Australia 3222
- Anaplasma**, vectors, Ixodidae, transmission 287, 652
- Anaplasma marginale**
 cattle
 Argentina 1200
 Paraguay 4471
 USA 3924, 3989
 control 3923
Dermacentor variabilis
 cell lines
 growth 1991
 infectivity, cattle 1992
 vectors
 Dermacentor
 detection 1571
 infection 649
 infections 3792
 Dermacentor albipictus, USA 5315
 Dermacentor andersoni
 detection, DNA probes 3825
 infections 3821
 Dermacentor variabilis, transovarial transmission 3791
 Ixodidae, Cuba 4805
- Anaplectella ruficollis**, distribution, Ryukyu Archipelago 907
- Anas platyrhynchos**, organophosphorus compounds, exposure, cholinesterase 838
- Anastatus bifasciatus**
 hosts
 Thaumetopoea pityocampa 3104
 Thaumetopoea processionea, parasitism 3107
- Anastatus catamarcensis**, hosts, Triatominae 48
- Anastatus charitos**, hosts, Triatominae 48
- Anastatus coreophagus**, hosts, Triatominae 48
- Anastatus excavatus**, hosts, Triatominae 48
- Anatomy**
Argas boueti, vagina, eversion 1541
 Cheyletidae, musculoskeletal system 5862
 Diptera, muscles, eclosion 1788
Eristalis tenax, spermathecae 3089
 insects
 digestive system 5035
 microscopy 5047
 nervous system 3463
Periplaneta americana, neuromuscular system 4140
Rhodnius prolixus, circulatory system 3537
 Siphonaptera, proventriculus 927
Stomoxys calcitrans, muscles, ovaries 4698
- Anax**, prey, *Culex tarsalis* 1818
- Anax junius**, prey, *Culex tarsalis* 2963
- Ancala fasciata**, Nigeria 1042
- Ancala latipes**, distribution, Saudi Arabia 4685
- Ancistroplax nepalensis**
Soriculus nigrescens, Nepal 1762
 taxonomy, new species 1762
- Ancistroplax taiwanensis**
Soriculus fumidus, Taiwan 1762
 taxonomy, new species 1762
- Ancistropsyllidae**, taxonomy, morphotaxonomy 2206
- Ancylostoma duodenale**, vectors, Cyclorhapha, Malaysia 3072
- Ancystropus**, taxonomy, legs, chaetotaxy 4315

Androctonus australis, toxins, DNA, nucleotide sequences 3862
Androctonus australis hector
 toxins
 binding, central nervous system, insects 2032
 molecular structure, crystallography 2559
Androlaelaps casalis
 hosts, Poland 1995
 rodents, USSR 4290
Androlaelaps fahrenheitii
Arvicola terrestris, nests, Switzerland 4321
 mammals, USA 5317
Microtus pinetorum, USA 284
 rodents, USSR 4290
Sigmodon hispidus, USA 41
Androlaelaps glasgowi (see *A. fahrenheitii*)
Anethum graveolens, extracts, chemistry 1253
Anevrina, ecology, phenology 5769
Angola
Amblyomma 5818
 human diseases, books 4086
Rhipicephalus 5820
 Tabanidae 5683
 trypanosomiasis, epidemiology 3046
Uranotaenia nigripes 163
Anguilla anguilla
 endosulfan, toxicity 4024
 parasites, Denmark 1178
Anhinga anhinga, DDT, residues, USA 430
Anilocra capensis, marine fishes, Atlantic Ocean 1621
Anilocra physodes, marine fishes, Black Sea 2043
Animal burrows
 Diptera, UK 4245
 Phlebotominae, Kenya 5187
Animal housing
 laboratory animals, pest control 3336
Musca domestica, German Democratic Republic 2388
Anisops sardea
 biology, development 4147
 prey, *Culex pipiens*, predation 4147, 4160
Anisoptera, prey, Culicidae 5122
Anocentor nitens
 cattle, Cuba 4814
 cell lines, *Borrelia burgdorferi*, growth 1966
 genetics, cytogenetics 5294
 horses, Colombia 4287
 tickborne diseases, Cuba 4805
Anodonta cataracta, *Unionicola formosa*, USA 683
Anodonta cygnea, diflubenzuron, effects, shell formation 4018
Anodonta imbecilis, *Unionicola formosa*, USA 683
Anoetus fethers
 hosts, Sphaeroceridae 4313
 taxonomy, new species 4313
Anoetus grapefruit
 hosts, Sphaeroceridae 4313
 taxonomy, new species 4313
Anoetus helena
 hosts, Sphaeroceridae 4313
 taxonomy, new species 4313
Anolis carolinensis, prey, *Lycosa ammophila*, predation 2026
Anomipsyllus amphibolus
Neotoma lepida, USA 5101
 taxonomy, larvae 5101
Anopheles
 airports, Europe 4452
Amblyospora connecticus, pathogenicity 2313
 Australasia, catalogues 4521
 behaviour, larvae, locomotion 2257
 blood-meals, identification, ELISA 534, 4454
Brugia malayi, India 5166
Bunyavirus, transmission 728
 California serogroup viruses, transmission 729
 control 4460

Anopheles cont.
 control cont.
 bed nets 171, 2245, 2720, 2972, 4156, 5600
 China 4193
 environmental management 4158
 habitat destruction 5172
 insecticides
 impregnated fabrics 151
 India 174
 nontarget effects 4083
 nontarget effects 4058
 distribution, India 541-542
 habitats, Nigeria 2332
 horses, USA 893
 hosts, feeding behaviour, models 987
 Japanese encephalitis virus, control, India 5361
 man
 Brazil 151
 Gambia 2972
 pigs, Japan 3571
Plasmodium
 China 1412, 4656
 control 149-150, 2241, 4651, 4660
 detection, monoclonal antibodies 2631
 geographical distribution 4650
 immunodiagnosis 4461
 infections 4453
 Malawi 517
 research 5388
 Thailand 4198
 transmission 4456, 4648-4649
 models 2239
 travel medicine 4457
 vaccines 4459
Plasmodium falciparum, transmission 512, 1792
Plasmodium vivax, infectivity 2223
 predators 2466
 reproduction, ovarian development 1840
 rice fields, reviews 4601
 taxonomy
 chaetotaxy, wings 2977
 keys, Central America 4617
 type specimens, South Africa 5585
 urban areas, control 2965
 vesicular stomatitis virus, transmission 5610
Wuchereria bancrofti, transmission 5165
Anopheles aconitus
 distribution, India 997
 genetics, population genetics 2316
 man, India 544
 resting places, India 998
Anopheles albimanus
Bacillus sphaericus, toxins, binding, receptors 3595
 behaviour, feeding, larvae 1801, 1831
 biochemistry, chromosomes, proteins 2969
 control, microbial pesticides 5543
 DDT
 analogues, toxicity 2757
 irritability, Colombia 964
 fenitrothion, resistance, enzyme assays, temperature 2971
 groundwater, Colombia 2960
 growth regulators, toxicity 120
 hosts, blood-meals, IgG 1404
 man, Colombia 3580
 molecular genetics
 repetitive DNA 1809
 ribosomal DNA 4614
 morphology, mouthparts, larvae 5116
 organophosphate insecticides, resistance, assays 2255
 predators, predation 2960
 repellents 85
 reproduction, gonotrophic cycles 944
Anopheles albitarsis, behaviour, feeding behaviour 5602
Anopheles annularis
 breeding places, India 997
 buildings, India 2981
 cattle, Nepal 136
 cattle housing, India 543

Anopheles annularis cont.
 control
 insecticides 1365
 integrated control 2294
 insecticides, resistance, Nepal 136
 organochlorine insecticides, resistance, India 2980
Plasmodium falciparum, India 999
 resting places, India 998
 villages, India 1365
Anopheles annulipes
 bovine ephemeral fever virus, transmission 727
Dirofilaria immitis, vector competence 5178
 ecology, phenology 1309
 taxonomy, types 4521
Anopheles apicimacula, man, Colombia 3580
Anopheles aquasalis, distribution, Surinam 72
Anopheles arabiensis
 behaviour, plants, odours, orientation 166
 breeding places, South Africa 164
 cattle, Kenya 5631
 cattle housing, Madagascar 5626
 control
 insecticides 946, 2318, 4169, 5529
 integrated control 4170
 distribution, Libya 5582
 DNA probes, identification 5627
 dwellings
 South Africa 5529
 Tanzania 2318
 Zimbabwe 946
 ecology, population ecology, larvae 5618
 genetics
 cytogenetics 5622, 5626
 rDNA, nucleotide sequences 1825
 identification, ELISA 5124
Leishmania, Kenya 4659
 malathion, resistance 1828
Melia volkensii, extracts, toxicity 937
Plasmodium
 Burundi 4170
 Cape Verde 5158
 Kenya 5631
 West Africa 4169
Plasmodium malariae, infection 5173
Plasmodium yoelii, infection 5157
 pyrethrins, toxicity, formulations 5562
 rice fields
 Burkina Faso 1009
 Kenya 5618
 taxonomy, identification 1385, 1387
 urban areas, Burkina Faso 5622
 water containers, Mauritius 1837
Anopheles atroparvus
 behaviour, feeding behaviour, larvae 1839
 buildings, Yugoslavia 4605
 DDT
 resistance
 aging 1842
 USSR 5167
 electric field, effects 5572
 filariids, infections 5176
Plasmodium
 infectivity 2240
 Netherlands 1789
 water reservoirs, USSR 1849
Anopheles atropos, attractants 2271
Anopheles baisasi, taxonomy, classification 4183
Anopheles balabacensis
 buildings, India 2981
 cattle housing, India 543
 control, bed nets 5175
 ecology, survival 4186
 man, Malaysia 4186
 taxonomy
 classification 4183
 cytotoxicity 88
Anopheles bambuscolus, distribution, Brazil 5604
Anopheles barberi
 ecology, overwintering 4607
 tree holes, USA 4607

- Anopheles barbirostris**
control, Guam 507
development projects, Sri Lanka 1815
distribution, India 997
hosts, India 5525
organochlorine insecticides, resistance, India 2980
- Anopheles beklemishevi**, distribution, USSR 2325
- Anopheles benarrochi**, man, Brazil 1421
- Anopheles brasiliensis**, distribution, Surinam 72
- Anopheles chiriquiensis**, taxonomy, validity 4181
- Anopheles claviger**
animal housing, Yugoslavia 3584
buildings, Yugoslavia 4605
distribution, France 2974
- Anopheles coustani**
Plasmodium, Burkina Faso 2215
rice fields, Burkina Faso 1009
- Anopheles cristatus**, taxonomy, classification 4183
- Anopheles crucians**
attractants 2271
lakes, USA 1391
man
bites, USA 98
USA 963
mites 5320
monitoring, traps 5541
rice fields, USA 5541
- Anopheles cruzii**
distribution, Brazil 5604
ecology, seasonal abundance 5603
hosts, Brazil 5603
- Anopheles culicifacies**
Bacillus subtilis, pathogenicity 4179
behaviour, feeding behaviour 76
breeding places, India 997
buildings, India 2981
cattle housing, India 543, 995
control
environmental management 935
helminth insecticides 91
insecticides 995, 1365, 3611
integrated control 1000, 2294
polystyrene beads 545, 2311
DDT, resistance, Sri Lanka 167
development projects, Sri Lanka 1814-1815
distribution, India 542
entomopathogens 996
insecticide resistance, Sri Lanka 1379
insecticides
resistance
Nepal 136
Sri Lanka 2945
malathion, resistance, resistance mechanisms 1828
man
India 544
Nepal 136
Plasmodium
India 935, 3611
Sri Lanka 5170
Plasmodium falciparum, Sri Lanka 2238
Plasmodium malariae, infection 5173
resting places, India 998
sewerage, India 2311
sibling species
man, India 76
taxonomy, cytotoxicity 1003
villages, India 1000, 1365
wells, India 545
- Anopheles darlingi**
behaviour
biting rates 2275
feeding behaviour 5602
control
bed nets 989, 2275
insecticides 2274
DDT
irritability, Colombia 964
resistance, Colombia 4622
distribution, Surinam 72
dwellings, Surinam 2274
ecology, dispersal 1421
man
Brazil 1421, 5602
- Anopheles darlingi** cont.
man cont.
Surinam 989, 2275
Plasmodium
Brazil 3287, 4653
French Guiana 515
- Anopheles demeilloni**, forests, Guinea 2324
- Anopheles derricki**, taxonomy, types 4521
- Anopheles dirus**
control, bed nets 143
man, Thailand 4662
morphology, larvae, mouthparts 2339
Plasmodium
assays, ELISA 5171
detection, ELISA 2993
immunity 2336
infectivity 2991
Thailand 4662
Plasmodium falciparum
India 999
Thailand 4663
Plasmodium inui
infectivity 4661
transmission 2229
Plasmodium malariae, infection 5173
sibling species
taxonomy, morphotaxonomy, eggs 2300
Thailand 88
taxonomy
classification 4183
cytotaxonomy 88
wells, Burma 536
- Anopheles dthali**, control, helminth insecticides 91
- Anopheles elegans**, taxonomy, classification 4183
- Anopheles farauti**
control, growth regulators 5153
ecology, gonotrophic cycles, moon phases 2321
hosts, Papua New Guinea 1811
man, Papua New Guinea 2230
permethrin, irritability 977
Plasmodium
infection 2230
Papua New Guinea 2228
transmission 1811
Plasmodium berghei, infectivity, immunization 4187
taxonomy, chemotaxonomy 5137
villages, Papua New Guinea 2321
- Anopheles fluviatilis**
cattle, Nepal 136
control
environmental management 935
insecticides 1365, 3611
integrated control 1000
distribution, India 997
man, India 544
Plasmodium, India 935, 3611, 5168
villages, India 1000, 1365
- Anopheles franciscanus** (see *A. pseudopunctipennis franciscanus*)
- Anopheles freeborni**
aquatic plants, survivorship 2301
control
biological control 113, 156, 940, 2301, 4629
insectivorous fishes 2264
microbial pesticides 394, 1403
dairies, USA 131
ecology
biting rates 131
breeding places 124
phenology 3558
population ecology 123, 4621
Gambusia affinis, predator prey relations 175
genetics, genetic markers, inheritance 2270
habitats, USA 4621
hosts
blood-meals, IgG 1404
USA 3558
Lagenidium giganteum, pathogenicity 4624
molecular genetics
DNA 5138
repetitive DNA 1809
- Anopheles freeborni** cont.
Plasmodium
immunity 2336
infections, chloroquine 3551
Plasmodium berghei, infections 2232
Plasmodium falciparum, antigens, immunity 2217
Plasmodium malariae
infection 5173
infectivity 521
rearing techniques 2256
rice fields
predator prey relations 931
USA 18, 113, 123-124, 156, 940, 2264, 4629
- Anopheles funestus**
behaviour, biting rates 5125
control
economics, Tanzania 1006
insecticides 954, 2318, 4169
integrated control 4170, 5605
dwellings, Tanzania 2318
ecology, eggs, survival 4628
man, Kenya 2957, 5125
o'nyong-nyong virus, transmission 1626
Plasmodium
Burkina Faso 3601
Burundi 4170
Congo 513
Kenya 5125
Madagascar 2642
West Africa 4169
Plasmodium falciparum
Burkina Faso 4938, 5619
circumsporozoite antibodies 2957
Comoros 5634
detection, ELISA 4645
effects, survival 5118
Kenya 5141
Mayotte 5605
pyrethrins, toxicity, formulations 5562
rice fields, Burkina Faso 1009
soil, Kenya 4628
urban areas
Burkina Faso 5619
Tanzania 954
- Anopheles galvaoi**, man, Brazil 1421
- Anopheles gambiae**
Bacillus sphaericus, toxins, binding, receptors 3595
behaviour
biting rates 5125
dispersal 5621
biochemistry, enzymes 2334
cattle, Kenya 5631
cattle housing, Mali 5625
cell lines
Bacillus thuringiensis, toxins, toxicity 385, 2680, 4483
Flavivirus, infection 158
Trypanosoma, infections 2632-2633
Comoros 5635
control
bed nets 982, 990, 1382, 5567
biological control 4159, 5633
economics, Tanzania 1006
insecticides 954, 4169
integrated control 4170, 5605
mosquito coils 2946
distribution, Libya 5582
DNA probes, identification 5627
ecology
eggs, survival 4628
population ecology 2333
filariids, transmission 5163
forests, Guinea 2324
genetics
cytogenetics 2334, 5622
esterases, gene expression 2331
rDNA
genetic variation 1826
nucleotide sequences 1825
habitats, Kenya 2333
hosts
Benin 5630
blood-meals, IgG 1404
identification, ELISA 5124
insecticides
susceptibility 5623
Comoros 5632
insectivorous fishes, predation 5628

Anopheles gambiae *cont.*

- man
 Gambia 982, 1382
 Kenya 2957, 5125
 Zaire 2946
 morphology, eyes 2943
 o'nyong-nyong virus, transmission 1626
 permethrin, impregnated fabrics, efficacy 1829
 physiology, immune system 2233, 2342
Plasmodium
 Burkina Faso 2215, 3601
 Burundi 4170
 Congo 513, 2334
 detection, ELISA 2993
 immunity 2336
 Kenya 5125, 5631
 Madagascar 2642
 West Africa 4169
Plasmodium cynomolgi, infections 2233, 2342
Plasmodium falciparum
 Benin 5630
 Burkina Faso 1793, 4938, 5619-5620
 circumsporozoite antibodies 2957
 Comoros 5634
 detection
 assays 5624
 ELISA 4645
 effects, survival 5118
 infection 522
 infectivity 2246
 Mayotte 5605
Plasmodium malariae, infection 5173
Plasmodium yoelii, infection 5157
 repellents, efficacy 1827
 rice fields, Burkina Faso 1009
 sampling 5625
 soil, Kenya 4628
 taxonomy
 identification 1387, 5629
 DNA probes 3566
 urban areas
 Burkina Faso 5619, 5621-5622
 Tanzania 954
 water containers, Somalia 4159
Anopheles gigas, distribution, India 542
Anopheles hackeri, taxonomy, classification 4183
Anopheles hermsi
 distribution, USA 154
 molecular genetics, DNA 5138
Plasmodium vivax, USA 5161
 rearing techniques 5551
Anopheles hyrcanus
 man, India 544
 organochlorine insecticides, resistance, India 2980
Plasmodium, Sri Lanka 5170
Anopheles introlatus, taxonomy, classification 4183
Anopheles jamesii
 distribution, India 542
 man, India 544
Anopheles jeyporiensis
 man, India 544
Plasmodium, India 5168
Anopheles karwari
 distribution, India 542
 man, India 544
Anopheles koliensis
 ecology, gonotrophic cycles, moon phases 2321
 hosts, Papua New Guinea 1811
Plasmodium
 Papua New Guinea 2228
 transmission 1811
 taxonomy, chemotaxonomy 5137
 villages, Papua New Guinea 2321
Anopheles kunmingensis
 man, China 1416, 4192
Plasmodium
 China 2941
 vectorial capacity 1416
Plasmodium falciparum, China 4192
Anopheles kweiyangensis
 man, China 4192
Plasmodium falciparum, China 4192
Anopheles labranchiae, *Plasmodium*, Libya 5582

- Anopheles lesteri**, hosts, China 5559
Anopheles lesteri anthrophagus
Brugia malayi, infection 1402
 control, insecticides 1808
 man, China 4192
Plasmodium, China 2220
Plasmodium falciparum, China 1413, 4192
Anopheles leucosphyrus, taxonomy, classification 4183
Anopheles macarthuri, taxonomy, classification 4183
Anopheles maculatus
 buildings, India 2981
 DDT, susceptibility, Malaysia 5108
 man
 China 1416
 India 544
 Thailand 5150
 permethrin, irritability 977
Plasmodium
 assays, ELISA 5171
 Thailand 5150
Plasmodium malariae, infection 5173
 sound traps 5150
Anopheles maculatus maculatus, distribution, India 542
Anopheles maculatus willmorei
 distribution, India 541-542
 insecticides, resistance, Nepal 136
 man, Nepal 136
Anopheles maculipennis
 animal housing, Yugoslavia 3584
 buildings, Yugoslavia 4605
 DDT, resistance, USSR 5167
 distribution, USSR 2325
 dwellings, USSR 1848
Tolypocladium niveum, toxins, toxicity 5615
 water reservoirs, USSR 1849
Anopheles maculipennis complex, distribution, USA 154
Anopheles majidi, distribution, India 541
Anopheles malefactor, taxonomy, validity 2978
Anopheles melas
 control, bed nets 982, 1382
 DNA probes, identification 5627
 genetics, rDNA, nucleotide sequences 1825
 hosts, Benin 5630
 man, Gambia 982, 1382
Plasmodium falciparum, Benin 5630
 taxonomy, identification 5629
Anopheles merus
 breeding places, South Africa 164
 DNA probes, identification 5627
 estimation, survival 1399
 genetics, rDNA, nucleotide sequences 1825
 man, Kenya 1399
 taxonomy, identification 1385, 1387
Anopheles messeae
 animal housing, Yugoslavia 3584
 DDT, resistance, USSR 5167
 distribution, USSR 2325
 dwellings, USSR 1848
Plasmodium, Netherlands 1789
 water reservoirs, USSR 1849
Anopheles minimus
 cattle housing, India 543
 control, insecticides 1360
 man, Thailand 5150
Plasmodium
 India 543
 Thailand 5150
Plasmodium vivax, susceptibility 2222
 sibling species, genetics, population genetics 2316
 sound traps 5150
 taxonomy, chemotaxonomy 983
Anopheles moghulensis, distribution, India 997
Anopheles moucheti, *Plasmodium*, Congo 513
Anopheles multicolor
Plasmodium
 Egypt 5128
 Libya 5582
Anopheles neivai, *Plasmodium*, Colombia 3580

- Anopheles nemophilous**, taxonomy, classification 4183
Anopheles nigerrimus
 cattle, Nepal 136
 distribution, India 541, 997
 hosts, India 5525
 insecticide resistance, Sri Lanka 1379
 insecticides, resistance, Sri Lanka 2945
Anopheles nili, *Plasmodium*, Congo 513
Anopheles nitidus
 man, China 4192
Plasmodium falciparum, China 4192
Anopheles nivipes, distribution, India 541
Anopheles noroestensis, man, Brazil 1421
Anopheles nuneztovari
 DDT, irritability, Colombia 964
 man, Brazil 1421
Anopheles occidentalis, rearing techniques 5551
Anopheles omorii
Plasmodium yoelii
 infection 5157
 transmission 5151
 rearing techniques 956
Anopheles oswaldoi, man, Brazil 1421
Anopheles pallidus
 man, India 544
Plasmodium, Sri Lanka 5170
Anopheles pampanai, genetics, population genetics 2316
Anopheles parapunctipennis, taxonomy, types 4181
Anopheles parapunctipennis guatemalensis, taxonomy, types 4181
Anopheles peditaeniatius
 cattle, Nepal 136
 Japanese encephalitis virus, India 2944
 predators 5122
 rice fields, Philippines 5122
Anopheles perplexus, taxonomy, types 4521
Anopheles peryassui, man, Brazil 1421
Anopheles pharoensis
 behaviour
 resting behaviour
 colour 4162
 surfaces 4161
 ecology, population ecology 5141
Plasmodium, Burkina Faso 2215
Plasmodium falciparum, Kenya 5141
 pyrethrins, toxicity, formulations 5562
 reproduction
 ovarian development 4627
 oviposition 132
 rice fields, Burkina Faso 1009
Anopheles philippinensis
 buildings, India 2981
 cattle housing, India 543
 distribution, India 541
Plasmodium falciparum, India 999
Anopheles plumbeus, buildings, Yugoslavia 4605
Anopheles pretoriensis, *Plasmodium*, Cape Verde 5158
Anopheles pseudopunctipennis
Plasmodium, Mexico 5986
Plasmodium vivax, Chile 2242
Anopheles pseudopunctipennis franciscanus
 control, biological control 113, 156, 940
Plasmodium relictum, vector competence 2964
 rice fields, USA 113, 156, 940
Anopheles pujutensis, taxonomy, classification 4183
Anopheles pulcherrimus, distribution, India 997
Anopheles punctimacula, taxonomy, redescription 2978
Anopheles punctipennis
Lagenidium giganteum, pathogenicity 4624
 tyres, USA 78, 943, 2268
Anopheles punctulatus
 behaviour, host selection 1004
 hosts, Papua New Guinea 1811
 man, Papua New Guinea 1004
 mosquito-borne diseases, transmission 1004
Plasmodium
 Papua New Guinea 2228
 transmission 1811

- Anopheles punctulatus* cont.
taxonomy, chemotaxonomy 5137
- Anopheles quadriannulatus*
breeding places, South Africa 164
DNA probes, identification 5627
genetics, rDNA, nucleotide sequences 1825
taxonomy, identification 1385, 1387
- Anopheles quadrimaculatus*
attractants 2271
Bacillus sphaericus
Plasmodium berghei, susceptibility 4634
toxins, binding, receptors 3595
behaviour, feeding behaviour, techniques 1408
- Brugia*
infection 4646
refractoriness 2314
Brugia pahangi, infections 2237
Bunyamwera serogroup viruses, USA 2297
cattle, control, insecticides 965
control
insecticides 2307
microbial pesticides 2267
diethyltoluamide, repellents, efficacy 970
entomopathogenic protozoa 3609
ethyl methanesulfonate, mutagenicity, genetics 2939
genetics
crossing over 3606
DNA, analytical methods 79
lakes, USA 1391
man, bites, immune response, detection 2329
marking 4612
mites 5320
molecular genetics, repetitive DNA 1809
monitoring, traps 5541
physiology, immune system 2237, 2314
Plasmodium malariae, infection 5173
repellents 85
screening 967
rice fields, USA 2267, 2307, 3609, 5541
Romanomeris culicivora, cuticle, penetration 3970
sibling species
genetics
biochemical genetics 5527
hybrid sterility 1812
taxonomy
chemotaxonomy 1821, 3560
cytotaxonomy 942
identification 2272
chemotaxonomy 3568
cytotaxonomy 3569
DNA probes 3567
- Anopheles rangeli*, man, Brazil 1421
Anopheles riparis, taxonomy, classification 4183
Anopheles rufipes, *Plasmodium*, Burkina Faso 2215
Anopheles sacharovi
bacterial insecticides, effects, oviposition 1846
behaviour, feeding behaviour, larvae 1839
buildings, Yugoslavia 4605
DDT, resistance, aging 1842
ecology, seasonal abundance 3554
hosts, blood-meals, fecundity 1805
Plasmodium, Turkey 3554
Plasmodium vivax, vector competence 5174
starvation, development 5574
- Anopheles sergentii*
control, helminth insecticides 91
Plasmodium
Egypt 5128
Libya 5582
- Anopheles sinensis*
Brugia malayi
China 2243, 4194
infection 514, 1402, 3573
infections 1410
control
bed nets 4197
- Anopheles sinensis* cont.
control cont.
environmental management 5144
insecticides 1360, 1806
integrated control 4610
microbial pesticides 146
dwellings, China 1806
filariids, China 4658
genetics, cytogenetics 1411
hosts, China 5559
insecticides, toxicity 1671
man
blood groups, host selection 1414
China 1416, 4192
morphology, eggs 147
Plasmodium, vectorial capacity 1416
Plasmodium falciparum, China 4192
reproduction, photoperiod, effects 1419
rice fields
China 5144
Korea Republic 4610
Setaria equina, infections 2235
urban areas, Japan 1369
- Anopheles splendidus*
control, polystyrene beads 2311
distribution, India 541
genetics, cytogenetics 3564
sewerage, India 2311
- Anopheles squamifemur*, distribution, Surinam 72
- Anopheles stephensi*
antibodies, blood-meals, ingestion 978
Bacillus sphaericus, toxins, binding, receptors 3595
Bacillus thuringiensis, toxins, toxicity 3955
behaviour
circadian rhythm, flight 1799
feeding behaviour, larvae 1839
breeding places, India 997
cell lines
Bacillus thuringiensis, toxins, toxicity 385, 4483
Flavivirus, infection 158
control
environmental management 935
integrated control 2294
polystyrene beads 545, 2311
diethyltoluamide, repellents, efficacy 2951
entomopathogenic bacteria, toxins, toxicity 5935
filariids, infections 5176
genetics, cytogenetics 3564
haematophagy, size 984
Haemogregarina, transmission 4930
heat shock, polytene chromosomes 2934
hexaflumuron, efficacy 4171
hosts, blood-meals, IgG 1404
lectins, binding 1008
malathion, resistance 1828
man, India 546
organophosphate insecticides, resistance, assays 2255
permethrin, repellents 2933, 5119
plant extracts, effects 1838
Plasmodium
detection 1361
India 546, 935
infections 1790, 4647
chloroquine 3551
infectivity 2240
Plasmodium berghei
development, antimalarials 5169
infection 1008, 1401
infections 5159-5160
mefloquine 3552
Plasmodium cynomolgi
infection 2234
infections 2218
infectivity 2988
transmission, artemisinin 1221
Plasmodium falciparum
identification, DNA probes 2225
infection, immunoglobulins 5162
infections 2216
antibodies 2227
infectivity 2246, 5588
vaccines 1423
Plasmodium malariae, infection 5173
- Anopheles stephensi* cont.
Plasmodium yoelii
infection 984, 5157
primaquine 1222
infections 3610
pathogenicity 511
transmission 520
pyriproxyfen, efficacy 955
rearing techniques 2323
resting places, India 998
sewerage, India 2311
 α -Terthienyl, toxicity 941
ultrastructure, midgut 2289-2290
Vavraia culicis, pathogenicity 3610
wells, India 545
- Anopheles strodei*, man, Brazil 1421
Anopheles subpictus
breeding places, India 997
control
Guam 507
integrated control 2294
polystyrene beads 2311
DDT, resistance, Sri Lanka 167
entomopathogens 996
insecticide resistance, Sri Lanka 1379
insecticides, resistance, Sri Lanka 2945
man
India 544, 546
Nepal 136
Plasmodium, Sri Lanka 5170
resting places, India 998
sewerage, India 2311
- Anopheles sulawesi*, taxonomy, classification 4183
- Anopheles sundaicus*
control
Indonesia 2932
microbial pesticides 535
- Anopheles superpictus*
control, helminth insecticides 91
Plasmodium vivax, vector competence 5174
- Anopheles takasagoensis*, taxonomy, classification 4183
- Anopheles tenebrosus*
hosts, Egypt 1398
man, South Africa 506
- Anopheles tessellatus*
distribution, India 542
Plasmodium, Sri Lanka 5170
Plasmodium vivax, transmission, antibodies 2226
resting places, India 998
- Anopheles theobaldi*, distribution, India 541, 997
- Anopheles triannulatus*, man, Brazil 1421
- Anopheles turkhudi*
control, helminth insecticides 91
distribution, India 997
- Anopheles vagus*
Alphavirus, China 529
buildings, India 2981
cattle
India 5525
Nepal 136
distribution, India 541
entomopathogens 996
man, India 546
organochlorine insecticides, resistance, India 2980
Plasmodium, Sri Lanka 5170
predators 5122
rice fields, Philippines 5122
- Anopheles vagus vagus*, control, Guam 507
- Anopheles varuna*
distribution, India 997
genetics, population genetics 2316
man, India 544
resting places, India 998
- Anopheles walkeri*, carbon dioxide, attractants 959
- Anopheles yatsushiroensis*
man, China 4192
Plasmodium falciparum, China 4192
- Anoplura**
Apodemus, Poland 1997
evolution, phylogeny 1750
medical entomology, Australia 3937
pigs, liveweight gain 1759
small mammals
Czechoslovakia 286

- Anoplura cont.**
small mammals cont.
Czechoslovakia cont.
site classification 285
taxonomy, nymphs 1758
- Anotylus**, pesticides, nontarget effects 4704
- Anoura caudifera**, *Periglischrus paravargasi*, Brazil 3188
- Antarctic Ocean**
Eubrachiella antarctica 1622
Eubrachiella gaini 2047
- Antarctopria coelopae**, hosts, Calliphoridae 3071
- Antennophoridae**, hosts, Formicidae, parasitism 3138
- Antennoseius hyperboreus**
Microtus oeconomus, USSR 2517
taxonomy, new species 2517
- Anthela nicotiae**, man, skin diseases 3305
- Anthicus floralis**, *Stomoxys calcitrans*, interspecific competition 1456
- Anthomyiidae**
cattle, Italy 5717
cattle dung, China 5718
vesicular stomatitis virus, USA 1357
- Anthrax** (see also *Bacillus anthracis*)
- Anthrax distigma**, hosts, *Vespa simillima* 3769
- Anthrenus verbasci**, herbaria, control 2170
- Antibacterial agents**, Heteroptera 496
- Antibodies**, blood-meals, *Anopheles stephensi*, ingestion 978
- Antichaeta analis**, distribution, Czechoslovakia 5758
- Antichaeta obliosa**
distribution
Czechoslovakia 5758
UK 5768
- Antigens**
Aedes aegypti, *Brugia malayi* 510
Blattaria, characterization 4557
Blattella germanica, cross reactivity 911
Boophilus microplus
characterization 669
DNA, nucleotide sequences 4288
gut 1531
insects, glycoproteins 888
- Ixodidae**
attachment cement 1530
detection, immunoblotting 1144
salivary glands 2501
- Antigua**
Aedes aegypti 5546
Amblyomma variegatum 650, 1549
- Antioxidants**, mutagenesis, *Drosophila melanogaster* 1095
- Anystis baccarum**, Muridae, Poland 673
- Apamin**
biochemistry, neurophysiology 5272
effects, nervous system 2446, 5786
- Apanteles carpatus**
ecology, seasonal abundance 1505
poultry housing, USA 1505
- Apaxapotamon**, *Paragonimus*, China 4371
- Aphaereta aotea**, control, Calliphoridae 3071
- Aphaereta sarcophagensis**, taxonomy, redescription 2442
- Aphelocheiridae**, taxonomy, keys, British Isles 56
- Aphididae**, man, respiratory diseases 925
- Aphodius**
cattle dung, Spain 1926
taxonomy, Korea Republic 3736
- Aphodius affinis**, faeces, Spain 5777
- Aphodius arrowi**, taxonomy, redescription 4257
- Aphodius castaneus**, faeces, Spain 5777
- Aphodius coenosus**, behaviour, nesting 3732
- Aphodius contaminatus**
cattle dung, Spain 3096
faeces, Spain 5777
- Aphodius distinctus**, rabbit droppings, Spain 3097
- Aphodius erraticus**, faeces, Spain 5777
- Aphodius fimetarius**
cattle dung, Spain 3096
faeces, Spain 5777
- Aphodius foetidus**, faeces, Spain 5777
- Aphodius granarius**
cattle dung, Spain 3096
faeces, Spain 5777
- Aphodius hoberlandti**, rabbit droppings, Europe 5775
- Aphodius ibericus**, rabbit droppings, Spain 3097
- Aphodius longitarsalis**, taxonomy, new species 4256
- Aphodius montisjaldi**, taxonomy, new species 4256
- Aphodius propraetor**, faeces, Korea Republic 5265
- Aphodius prusai**, taxonomy 5265
- Aphodius rectus**, faeces, Korea Republic 5265
- Aphodius scrutator**, faeces, Spain 5777
- Aphodius sertavulensis**, taxonomy, new species 4256
- Aphodius sphacelatus**
cattle dung, Spain 3096
faeces, Spain 5777
- Aphodius stebnickae**, taxonomy, new species 4256
- Aphodius sturmi**, taxonomy 5265
- Aphodius sublimbatus**
faeces, Korea Republic 5265
taxonomy 5265
- Aphodius uniplagiatus**, taxonomy 5265
- Aphodius urostigma**, faeces, Korea Republic 5265
- Aphonopelma** (see *Rechostica*)
- Aphonopelma seemanni** (see *Rechostica seemanni*)
- Aphthovirus**, vectors, *Haematobia thirouxii*, mechanical transmission 571
- Aphyocypris chinensis**, control, Culicidae 4610
- Aphyosemion geryi**, prey, Culicidae, predation 3603
- Apidae**
behaviour, foraging, navigation 3466
distribution, Czechoslovakia 2450
genetics, gene frequency 1934
man
hypersensitivity 3121, 5931
reviews 2455
therapy 3119
stings, treatment 1511
Miltogrammini, ecology, associations 3686
mites, reviews 5280
taxonomy, larvae, catalogues 1510
- Apiomerus**, prey, Triatominae 48
- Apis mellifera**
allergens, Trichoptera, cross reactivity 4782
Azadirachta indica, botanical insecticides, effects, reviews 3354
behaviour
foraging 614, 1107
learning 2438
biochemistry, cuticle, hydrocarbons 3764
genetics, enzyme polymorphism 1506
illumination, restraint 470
man
envenomation, books 2119
hypersensitivity 262, 1108, 2456, 4269-4270, 4272-4275, 4475
diagnosis 1109
treatment 264, 1111, 2444-2445, 2449, 3300, 4271, 4276-4277, 4473, 4942
stings 265, 1939, 3305
nephrotic syndrome 3117
therapeutic agents 5784
venoms, arthritis, therapy 1112
pollen, man, allergies 266
predators 698, 3125
sampling, techniques 4124
taxonomy
chemotaxonomy 1937
identification
chemotaxonomy 3444
subspecies 3765
- toxins**
effects, nervous system 2446
membranes, reviews 4268
neurochemistry 5272
- Apis mellifera cont.**
venoms
allergens 4272
cross reactivity 4281
antigen antibody reactions, ELISA 373
biochemistry 1113
effects, mast cells, degranulation 5785
man, immune response 2447, 3308
melittin, purification 2448
toxicity, insects 1113
- Apis mellifera scutellata**
control, USA 1509
taxonomy, identification, DNA probes 3766
- Apocyclops spartinus**, methoprene, toxicity 1273
- Apodemus**, *Hirstionysus sunica*, Poland 1995
- Apodemus agrarius**
Anystis baccarum, Poland 673
Criniscanor apodemi, Poland 1590
ectoparasites, Poland 1997
Ixodes ricinus
Berlin 4802
feeding 5288
Leptotrombidium jishoum, China 5857
Mesostigmata, Czechoslovakia 305
Trichoecius widawaensis, Poland 697
- Apodemus flavicollis**
ectoparasites, Poland 1997
Ixodes ricinus
Berlin 4802
feeding 5288
Ixodidae, Czechoslovakia 1569
Mesostigmata, Czechoslovakia 305, 307
Siphonaptera, Czechoslovakia 66
tickborne encephalitis virus, Czechoslovakia 293, 358
- Apodemus speciosus**
tickborne encephalitis virus, USSR 2586
Trombiculidae, Japan 5325
- Apodemus sylvaticus**
Acari, Spain 5855-5856
ectoparasites, USSR 4290
Erve virus, France 2593
Ixodes ricinus, feeding 5288
Ixodidae, Czechoslovakia 1569
Myobia multivaga, Poland 1590
Polyplax serrata, Spain 5488
rearing techniques 894
Siphonaptera
Czechoslovakia 66
Spain 5519
tickborne encephalitis virus, Czechoslovakia 293, 358
Trombiculidae, USSR 2005
Yunkeracarus ascanicus, USSR 5340
- Apodemus tauricus**, *Trichoecius apodemi*, Poland 1590
- Apoloniinae**, taxonomy, keys, larvae 3192
- Aponomma exornatum**, distribution, São Tomé and Príncipe 5812
- Aponomma flavomaculatum**, *Varanus niloticus*, Kenya 4799
- Aponomma hydrosauri**
ecology, interspecific competition 4794
Trachydosaurus rugosus, Australia 4794
- Aponomma komodoense**, taxonomy, lectotypes 5817
- Aponomma oudemansi**, taxonomy, lectotypes 5817
- Aporrectodea caliginosa**, cypermethrin, metabolism 2094
- Aprostocetus hagenowii**
control, *Periplaneta americana* 1745
hosts
Blattaria 5076
Blattidae, parasitism 474
Periplaneta 5075
rearing techniques, mass production 5076
- Apterona helix**, dwellings, USA 2437
- Aptilotus longinervis**, taxonomy, new species 5262
- Aquarium fishes**, *Calliphora*, myiasis 4229
- Aquatic insects**
behaviour, dispersal, streams 3487

- Aquatic insects cont.**
 ecology
 community ecology 2858
 population ecology 5046
 substrates, colonization 2855
 evolution 2149
 forensic entomology, biological indicators, submersion 1718
 marshes, Canada 10, 14
 methoxychlor, nontarget effects 1032
 pollutants, assays 3361
 taxonomy, keys, North America 440
- Aquatic invertebrates**
 cadmium, toxicity 1672
 ecology
 invertebrate drift 1303
 population ecology 2150
 rearing techniques 5462
 samplers 1715
 techniques, marking 5051
 UK, books 3425
- Aquatic organisms**
 bioassays, techniques 1312
 pollutants, toxicity, reviews 3384
 taxonomy, catalogues, information processing 445
- Aquatic plants, Culicidae, USA 121**
- Arachnida**
 biology, books 863
 entomophilic nematodes 3972
 evolution, books 3411
- Aralichus chrysopteri***
Brotogeris chrysopterus, South America 3213
 taxonomy, new species 3213
- Aralichus crassisetosus***
Brotogeris sanctithomae, South America 3213
 taxonomy, new species 3213
- Aralichus cyanopterae***
Brotogeris cyanoptera, South America 3213
 taxonomy, new species 3213
- Aralichus porrectus***
Brotogeris jugularis, Central America 3213
 taxonomy, redescription 3213
- Aralichus sanctithomae***
Brotogeris sanctithomae, South America 3213
 taxonomy, new species 3213
- Aralichus tiricae***
Brotogeris tirica, Brazil 3213
 taxonomy, new species 3213
- Araneae**
 anaesthesia, equipment 2021
 behaviour, predation 3223
 biology, books 863
 Canada, checklists 3215
 control
 insecticides 2079
 pesticides 4854
 distribution, USA 3220
 dwellings, German Democratic Republic 2435
 ecology, USSR 2552
 man
 arachnidism 5881-5882
 bites, UK 3860
 mites, reviews 2024
 morphology, legs 4528
 prey
 Culicidae 5122
 Protocalliphora 4233
 spider webs, insects, perception 2550
 taxonomy
 books 1290
 keys, UK 3221
 urban areas, Italy 4858
 venoms, γ -aminobutyric acid, antagonists 2554
 webs, stickiness, measurement 2029
- Araneidae, taxonomy, keys, Australia 3222**
- Araneus***
 toxins
 insecticidal properties 2553
 neurobiology 4853
- Araneus ventricosus***, toxins, reviews 5342
- Arawakina***, taxonomy, redescription 4136
- Arbia virus***, vectors, *Phlebotomus*, Italy 5652
- Arboviruses**
 economic importance, reviews 715
 epidemiology
 books 872-876
 mathematical models 723
 research, methodology 722
 genetic variation, reviews 717
 hosts, immune response 1633
 man
 books 4520
 epidemiology 721
 meteorological factors, epidemiology 719
 reviews 1636
 taxonomy, classification 716
 vectors
 Culicidae, vector competence 530
 transmission, reviews 718
 vertebrates, ecology, transmission 720
- Arbutus menziesii***, insects, USA 11
- Archaeology**
 arthropods, Greenland 5056
Pediculus capitis, Israel 1334
- Archaeopsylla erinacei maura***, small mammals, Spain 5519
- Archigoniodes numidae***, taxonomy 5484
- Arctic Ocean, *Balaena mysticetus***, parasites 3228
- Arctcephalus tropicalis***, endoparasites, Gough Island 5318
- Argas***
 distribution, British Isles 4796
Larus californicus, USA 1565
 Mono Lake virus, USA 1565
 North America 2505
- Argas arboreus***
 juvenile hormone III, effects, embryogenesis 1542
 Quarantil virus, transmission 5297
 ribosomes, protein synthesis 3158
- Argas boueti***, anatomy, vagina, eversion 1541
- Argas cooleyi***
Hirundo pyrrhonota, USA 1566
 Mono Lake virus, USA 1566, 2591
- Argas miniatus***
 biology, development 5815
 fowls, feeding 5815
 morphology, scanning electron microscopy 5815
- Argas persicus***
 acaricides, toxicity 2512
 aggregation pheromones 1557
 assembly pheromones 3154
 control
 acaricides 4296
 bed nets 991
 dwellings, Gambia 991
 fowls 4296
 China 2512
 hosts, Italy 3804
 laboratory animals, IgG 1536
- Argas polonicus***, distribution, Poland 2481
- Argas reflexus***
 biology, development 299
 distribution
 Italy 5852
 Poland 2481
 hosts, Italy 3804
- Argas reflexus hermanni***
 Chenuda virus, Egypt 2591
 distribution, Algeria 1976
- Argas robertsi***
 Ardeidae, South East Asia 3159
 Kao Shuan virus, Asia 3159
- Argas sinensis***, morphology, eggs 5805
- Argas transgaripepinus***, hosts, Italy 3804
- Argas transversus***, morphology, spiracles 1971
- Argas vespertilionis***
 Chiroptera, German Democratic Republic. 304
 distribution
 Italy 5852
 Poland 2481
 hosts, Italy 3804
 Issyk-kul virus, transmission 737
Scotophilus heathii, China 3542
 Vespertilionidae, Poland 678
- Argasidae**
 diapause, reviews 655
- Argasidae cont.**
 distribution, Poland 1570
 entomogenous fungi 2705
 pheromones, reviews 5837
 tickborne diseases, Israel 5802
- Argentina**
 anaplasmosis, epidemiology 1200
Boophilus microplus 1578
 Chagas' disease, epidemiology 51
 Dictyoptera 1741
Gigantodax 3635
 Ixodidae 3177
 Mermithidae 5944
Moniezia expansa, epidemiology 684
 poultry, ectoparasites 1149
Psoroptes ovis 693, 5876
 Simuliidae 1027
Tachypompilus 636
Triatoma infestans 5504
 Trogidae 4264
Tunga penetrans 5518
- Argia***, prey, *Culex tarsalis* 1818
- Argiope***
 man, envenomation, treatment 1612
 toxins
 effects, insects, nervous system 2022
 insecticidal properties 2553
 neurobiology 4853
- Argiope aurantia***, toxins, chemistry, synthesis 1613
- Argiope lobata***
 toxins
 effects, glutamates, receptors 5883
 reviews 5342
- Argulus canadensis***
 biology, sex ratio 3869
 Gasterosteidae, Canada 3869
Gasterosteus
 host parasite relationships 336
 parasitism, temperature 3867
- Argulus siamensis***, freshwater fishes, India 5890
- Arisocerus***, taxonomy, redescription 3193
- Arkonam virus***, taxonomy, serotaxonomy 4888
- Armigeres***
 Australasia, catalogues 4095
 distribution, India 541-542
- Armigeres milnensis***, taxonomy, synonyms 4095
- Armigeres subalbatus***
 development projects, Sri Lanka 1814
 dwellings, Sri Lanka 2328
 ecology, seasonal abundance 2328
 hosts, India 5525
 man
 hypersensitivity, detection, immunoblotting 4167
 Pakistan 75
 methoprene, efficacy 5568
 morphology, larvae, mouthparts 2339
 urban areas, Japan 1369
- Armigeres theobaldi***
 ecology, population ecology 173
 phytotelmata, Thailand 173
- Armillifer armillatus***, man, Nigeria 3882
- Arrenuroidea***, marshes, Canada 310
- Arrenurus***
 hosts
 Chironomidae 1494
 Enallagma ebrium, parasitism 4825
 reproduction, clutch size 4823
- Arrenurus bartonensis***, taxonomy, larvae 5322
- Arrenurus birgei***, taxonomy, larvae 5322
- Arrenurus danbyensis***, hosts, *Coquillettidia perturbans*, parasitism 2284
- Arrenurus delawarensis***, hosts, *Coquillettidia perturbans*, parasitism 2284
- Arrenurus kitchingi***
 taxonomy, new species 5319
 tree holes, Australia 5319
- Arrenurus neobirgei***, taxonomy, larvae 5322
- Arrenurus novimarsallae***
 hosts, *Anopheles* 5320
 morphology, stylostomes 5320
- Arrenurus pseudotenuicollis***
 hosts, *Anopheles* 5320
 morphology, stylostomes 5320
- Arrenurus rotundus***, taxonomy, larvae 5322

- Arsenic**, control, *Psorobia ovis* 4326
Artemia salina, avermectins, analogues, bioassays 2092
Arthropod pests, nomenclature, books 2120
Arthropods, USSR, books 5446
Arthula, hosts, *Ropalidia plebeiana* 272
Artibeus cinereus, *Periglischrus iheringi*, Brazil 3188
Artibeus jamaicensis, *Periglischrus iheringi*, Brazil 3188
Artibeus lituratus, *Periglischrus iheringi*, Brazil 3188
Artystone minima
Nannostomus beckfordi, Brazil 4864
 taxonomy, new species 4864
Arvicantus niloticus, *Rickettsia*, Egypt 2619
Arvicola terrestris
Megabothris walkeri, Poland 4150
 nests, Mesostigmata, Switzerland 4321
Arylacetic acid esters, chemistry, synthesis 3349
Ascaris lumbricoides, vectors, Cyclorhapha, Malaysia 3072
Ascetocythere stockeri
Cambarus, USA 2040
 taxonomy, new species 2040
Ascidae, cattle dung, USA 2521
Ascogregarina chagasi, hosts, Phlebotominae, infection 1430
Ascogregarina clarki, hosts, *Aedes sierrensis* 2315
Ascogregarina taiwanensis, hosts, Culicidae, pathogenicity 5533
Ascoschoengastia krishnani, distribution, Philippines 2004
Ascoschoengastia latyshevi, birds, Poland 1995
Aselliscus stoliczkanus, *Hipposiderobia indochinensis*, Vietnam 3834
Asellus forbesi, *Bacillus thuringiensis*, effects 2304
Asia
Tetragnatha 2548-2549
 yellow fever virus, epidemiology 5367
Asotana magnifica
Serrasalmus, Brazil 4863
 taxonomy, new species 4863
Aspergillus
Aedes, USSR 161
 hosts, arthropods, Italy 4955
Aspergillus flavus, hosts, *Vespula* 268
Aspergillus nomius, extracts, toxicity, insects 1667
Assays, insects, cholinesterase 17
Asses (see Donkeys)
Astigmata
 cattle dung, USA 2521
 evolution, phylogeny 2007
 mammals, Poland 1524
 taxonomy, identification, electrophoresis 2524
Astyanax mexicanus, *Calliphora*, myiasis 4229
Astyloblatta, taxonomy, redescription 4136
Asuntol (see Coumaphos)
Ataenius, *Stomoxys calcitrans*, interspecific competition 1456
Atelozomyia, taxonomy, new genus 5672
Atelozomyia thalassae, taxonomy, new species 5672
Athericidae, Palaearctic Region, checklists 3044
Athienemanniidae, taxonomy, keys, genera 5321
Atholus, poultry housing, South Africa 601
Atholus rothkirchi, sampling 4262
Atlantic Ocean
Alelion lobatus 3868
Anilocra capensis 1621
Caligoida 1179
Caligus elongatus 3878
Gnathia albescentis 3227
Haemobaphes cyclopterina 338
Macrourus carinatus, parasites 4860
Phrixocephalus carcellesi 3872
Scomber, parasites 1618
Sphyrion lumpi 1619
Atlantic salmon
 Caligidae, Irish Republic 2038
 Caligoida, Canada 1179
Atlantic salmon cont.
 permethrin, effects 2104
Atrax, identification 4852
Atrax bermagui, man, bites, treatment, antivenoms 4851
Atrax formidabilis, man, bites, treatment, antivenoms 4851
Atrax robustus
 man, bites, treatment, antivenoms 4851
 toxins, reviews 5342
Atrichopogon, taxonomy 554
Atrichopogon wirthi, biology, development 3616
Atroban (see Permethrin)
Attractants, *Cochliomyia hominivorax* 3690
Atylotus
 distribution
 Japan 5670
 Turkey 2368
Atylotus agrestis
 distribution, Saudi Arabia 4685
 Nigeria 1042
Atylotus fairchildi, taxonomy, redescription 5673
Atylotus fulvus, distribution, Portugal 5676
Atylotus horvathi
 cattle, Japan 5213
 horses, Japan 1039
Atylotus latistriatus, distribution, Portugal 5675-5676
Atyoida pilipes, *Simulium laciniatum*, phoresy 560
Atyopsis spinipes, *Simulium laciniatum*, phoresy 560
Atyphloceras echis echis
Neotoma lepida, USA 5101
 taxonomy, larvae 5101
Atyphloceras nuperus, small mammals, Czechoslovakia 67-68
Aujeszky virus
 vectors
Musca domestica
 infection 3645
 mechanical transmission 570
Australasia
 Chalcidoidea, books 4266
 Culicidae, catalogues 4093-4101, 4521
 Diptera, catalogues 3430
Australia
 acarology, directories 3424
 aircraft, disinsection 3333
 Araneae 3219
 keys 3222
Atrax 4852
Chrysomya bezziana 1066, 4234, 4725
 Coleoptera, books 859
 entomology, research institutes 4518
 insects, bites, man 3937
Iridomyrmex humilis 2017
 Kunjin virus 1627
Lucilia 226
Lucilia cuprina 225, 1068, 1475
 occupational hazards 1078
 man, insects, injuries 3305
 medical entomology 5989
 Murray Valley encephalitis virus, epidemiology 4411
Musca vetustissima 574
 Muscidae 1061
 myiasis, man 3304
 Myrmecia 3131
Onthophagus 598
 pesticides, poisoning 3374
Polistes stigma 267
 Scorpiones 3864-3865
Sergentomyia 5651
 arboviruses 5912
 Australian Capital Territory
Austrosimulium bancrofti 2365
Dermacentor variabilis 2497
Musca vetustissima 3058
 Australian Northern Territory
Aedes albopictus 5135
 buffaloes, Diptera 2659
 chikungunya virus 4881
 New South Wales
Atrax 4851
 Barmah Forest virus, epidemiology 1630, 5902, 5911
Ixodes trichosuri 2471
Australia cont.
 New South Wales cont.
 Kokobera virus, epidemiology 5913
Lucilia cuprina 4731, 5740
 Lyme disease, epidemiology 3922
Myrsidea pilonorhynchi 4573
Onitis alexis 3094
Psorobia ovis 4326
Ropalidia plebeiana 272
 Queensland
Aedes albopictus 5135
 arboviruses, epidemiology 5847
Arrenurus kitchingi 5319
Atrax 4851
 Barmah Forest virus, epidemiology 5902
Boophilus microplus 3790, 4289
 Culicidae 2259
Culicoides 2349
 dengue virus, epidemiology 4402
 Diptera, myiasis 3067
Gasterophilus haemorrhoidalis 3710
Ixodes holocyclus 1142
 South Australia
 Apidae 3120
Australobuthus xerolimniorum 5887
Bovicola ovis 3534, 4580
 Hymenoptera, stings 3119
 Ixodidae 4794
Lucilia cuprina 5720
Menacanthus dennisi 2898
Ommatozilul moreleti 3233
 type specimens 5453
 Victoria
Aedes camptorhynchus 4603
 Apidae 3120
 aquatic insects 1309
 Araneae 5881
Badumna insignis 3218
 Barmah Forest virus, epidemiology 5902
 Kokobera virus, epidemiology 5913
 pesticides, poisoning 3380
Procladius paludicola 3081
 Western Australia
Aedes normanensis 1822
Amblyomma triguttatum 5846
Gasterophilus 3698
 Hymenoptera, Formicidae 3132
Iridomyrmex humilis 2123
Musca vetustissima 219
Protomiltogramma plebeia 2398
Australobuthus, taxonomy, new genus 5887
Australobuthus xerolimniorum, taxonomy, new species 5887
Australophlebotomus, taxonomy, taxonomic status 3631
Austria
Aedes caspius 3899
Aphodius hoberlandti 5775
 insects, books 866
Ixodes ricinus 3183
Megaselia abdita 238
Sarcoptes scabiei 3209
Austroaeschna, control, *Austrosimulium* 3030
Austrohelea, taxonomy, new genus 5983
Austromenopon, *Himantopus mexicanus*, USA 484
Austrosimulium, man, New Zealand 3030
Austrosimulium australense, control, biological control 3030
Austrosimulium bancrofti
 ecology, environmental factors 2365
 monitoring, traps 2365
Austrosimulium unguatum
 control, biological control 3030
 rivers, New Zealand 1306
Avermectin B₁ (see Abamectin)
Avermectins
 analogues, bioassays, *Artemia salina* 2092
 biosynthesis, *Streptomyces avermitilis* 813
 chemistry, synthesis 2743, 3351
 control, insect pests 414
Aviary birds, ectoparasites, control 1171
Avicennia germinans, unimolecular films, effects 2786

- Avitellina centripunctata***, intermediate hosts, Collembola, life cycle 2463
- Azadirachta indica***
 biochemistry
 diterpenoids 2732
 tetranortriterpenoids 2731
 botanical insecticides
 books 3421
 effects
 insects 3358
 reviews 3354
 reviews 4985
 chemistry
 limonoids 4975
 terpenoids 4974
 triterpenoids 3345
 extracts
Culex quinquefasciatus 2940
 Culicidae 4159
Phormia terraenovae 227
 toxicology, reviews 3365
- Azadirachtin***
 botanical insecticides, pest control 2075
 cattle, feed additives 2386
 chemistry
 isomers 3346
 synthesis 1665
 derivatives, chemistry 1661
 effects
Amblyomma, vitellogenesis 1959
 insects, ecdysone 20-monooxygenase 5419
Rhodnius prolixus
 reproduction 5495
Trypanosoma cruzi 5088
 metabolism, *Rhodnius prolixus* 3536
 mode of action 3346
 precursors, chemistry 1663
 toxicity, Muscidae 2386
- Azamethiphos*** (S)-[(6-chloro-2-oxoox-azolo[4,5-*b*]pyridin-3(2*H*)-yl)methyl] *O,O*-dimethyl phosphorothioate)
 control
 Diptera 1467
 insect pests 1466
 insects 5409
Musca domestica 2380, 3057
- Azinphos-ethyl*** (*O,O*-diethyl S-[(4-oxo-1,2,3-benzotriazin-3(4*H*)-yl)methyl] phosphorodithioate)
 poisoning, man, Portugal 5433
- Azinphos-methyl*** (*O,O*-dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4*H*)-yl)methyl] phosphorodithioate)
 analytical methods, liquid chromatography 2108
- Azolla filiculoides***, control, Culicidae 5144
- Azores**, *Musca vitripennis* 1885
- Babanki virus**, vectors, *Aedes aegypti*, Madagascar 2258
- Babesia***
 domestic animals, conferences 4522
 man, zoonoses 3149
 vectors
 Ixodidae
 control 4791
 infection 778
 transmission 652, 777
- Babesia bigemina***
 cattle
 Kenya 4933
 Paraguay 4471
 prophylaxis, oxytetracycline 1577
 St. Kitts-Nevis 3824
 Tanzania 776
 vectors
Boophilus microplus, transovarial transmission 5307
 Ixodidae
 Cuba 4805
 infectivity 297
- Babesia bovis***
 cattle
 Kenya 4933
 Paraguay 4471
 prophylaxis, oxytetracycline 1577
 St. Kitts-Nevis 3824
 Tanzania 776
 domestic animals, diagnostic techniques 4455
- Babesia bovis* cont.**
 vectors
Boophilus microplus, transovarial transmission 5307
 Ixodidae
 Cuba 4805
 Spain 5825
- Babesia caballi***
 horses
 Colombia 4287
 Kenya 4934
- Babesia canis***, vectors, Ixodidae, German Federal Republic 3794
- Babesia divergens***, vectors, *Ixodes ricinus*, infections 3187
- Babesia equi***
 horses
 Colombia 4287
 Kenya 4934
- Babesia major***, vectors, Ixodidae, Spain 5825
- Babesia microti***
 hamsters, infectivity 1194
 man
 epidemiology 4458
 German Federal Republic 2634
 USA 3173
 vectors
Ixodes dammini
 development, temperature 3797
 infectivity 1194
 transmission 3184
- Babesia motasi***
 sheep, India 4940
 vectors, Ixodidae, Spain 5825
- Babesia ovis***
 sheep, India 4940
 vectors
 Ixodidae, Spain 5825
Rhipicephalus bursa
 infection 298
 Israel 4815
- Bacillus***, hosts, insects, Italy 4949
- Bacillus anthracis***
 epidemiology, Chad 2629
 man, history 1291
 vectors, *Stomoxys calcitrans*, mechanical transmission 1881
- Bacillus cereus***
 hosts
Rhyarobia maderae, pathogenicity 3525
Vespula 268
 oviposition attractants, *Aedes aegypti* 5147
Rhyarobia maderae, defence mechanisms 3526
- Bacillus sphaericus***
 aquatic invertebrates, recycling 4619
Bacillus thuringiensis, biotechnology, plasmids 5405
 bacterial insecticides
 economics, production 540
 efficacy 2338
 fermentation 1650
 persistence 533
 biochemistry, carbohydrate metabolism 2687
 control
Anopheles sinensis 146
Anopheles sudaicus 535
Culex 115, 938
Culex pipiens 4619
Culex quinquefasciatus 537, 4967, 5109
 Culicidae 5543
 economics 3331
Mansonia bonnea 5575
 culture techniques 381
 effects, Culicidae, oviposition 1846
 enzymes, characterization 1234
 formulations, efficacy 115, 938
 genes, nucleotide sequences 386
 hosts
Anopheles quadrimaculatus, *Plasmodium berghel*, susceptibility 4634
Culex pipiens, pathogenicity 533
Culex quinquefasciatus, pathogenesis 3588
- Bacillus sphaericus* cont.**
 molecular genetics, DNA fingerprinting 3951
 phenylalanine dehydrogenases, characterization 383
 proteins, biotechnology 388
 taxonomy, numerical taxonomy 3949
 toxicity, laboratory animals 4951
 toxins
 binding, Culicidae, receptors 3595
 characterization 381
 genes 2685
 biotechnology 5935
 nucleotide sequences 5942
 genetic engineering 3317
 ingestion, Culicidae 3592
 resistance, *Culex quinquefasciatus*, cell lines 1002
 toxicity
 bioassays 1227
Culex pipiens 3317
 Culicidae 5935
Mansonia 5549
- Bacillus subtilis***
Citellophilus tesquorum, phagocytosis 1783
 hosts, *Anopheles culicifacies*, pathogenicity 4179
 pathogenicity, mice 4179
- Bacillus thuringiensis***
Bacillus, biotechnology, plasmids 5405
 bacterial insecticides, pest control 2681, 2686
 bacteriophages, resistance 4946
 biochemistry
 enzymes 1229, 3948
 phospholipase C 3320
 biotechnology 392
 cloning 790
 control, insect pests 414
 culture techniques, lasers 3954
 cultures, assays 5941
 DNA, plasmids, transformation 1231
 enzymes, genes, amino acids, sequences 4948
 fermentation, culture media 3321
 hosts
Musca domestica, pathogenicity 5222
Vespula, pathogenicity 268
 phospholipase C, amino acids, sequences 387
 plasmids
 biotechnology 2069
 ultraviolet radiation, sensitivity 5934
 proteins
 crystals
 separation 3318
 staining 3319
 gene regulation 2678
 taxonomy, numerical taxonomy 5406
 toxins
 biotechnology 1232
 DNA, origin 5938
 mode of action 788
 toxicity
 bioassays 1227
 insects 5407
Musca domestica, assays 4480
 specificity 3323
- Bacillus thuringiensis* subsp. *aizawai***
 bacteriophages 4481
 toxins
 biotechnology 390
 cloning, gene expression 2695
 mode of action 378
 molecular biology 3946
 toxicity
 insects 385
 mode of action 2679
- Bacillus thuringiensis* subsp. *alesti***
 flagella, antigens 3322
 toxins, gene expression 2682
- Bacillus thuringiensis* subsp. *darmstadtensis***
 toxins
 characterization 389
 toxicity, Culicidae, cell lines 389
- Bacillus thuringiensis* subsp. *finitimus***, toxins, antibacterial properties 391

- Bacillus thuringiensis* subsp. *fukuokaensis*, taxonomy, new subspecies 3322
- Bacillus thuringiensis* subsp. *galleriae*
cell walls 2692
culture techniques 4945
morphology, spores, appendages 5404
plasmids, drug resistance 3953
toxins, antibacterial properties 391
- Bacillus thuringiensis* subsp. *insectus*
bacteriophages 2068
physico-chemical properties 3952
- Bacillus thuringiensis* subsp. *israelensis*
bacterial insecticides
economics, production 540
efficacy 2338
reviews 791
bioassays 380, 2160
biochemistry, proteins, phosphorylation 4482
control
Aedes 2304, 4635
Aedes aegypti 2330
Aedes albopictus 93, 5528, 5544
Aedes taeniorhynchus 2303
Aedes vexans 5599
Culicidae 116, 156, 940, 2267, 4610
economics 3331
Mansonia bonnea 5575
Psorophora columbiae 4626
Simuliidae 1437
Simulium 184, 2358, 4682-4683
culture techniques 380
effects
Asellus forbesi 2304
Culex quinquefasciatus, reproduction 5143
Culicidae, oviposition 1846
formulations, controlled release, efficacy 2330
genes, nucleotide sequences 1230
hosts
Aedes aegypti, pathogenicity 3590
aquatic invertebrates, pathogenicity 77
Culicidae, pathogenicity 5554
morphology, spores, appendages 5404
nontarget effects, aquatic organisms 2358
protoplasts, preparation 384
susceptibility, *Aedes albopictus* 2268
toxicity, laboratory animals 4951
toxins
Agmenellum quadruplicatum, cloning 2694
characterization 382, 3955
effects
Aedes aegypti 5614
membranes 4484
Rana temporaria, development 2780
genes, biotechnology 5935
mode of action 378, 490
peptides, characterization 1233
plasmids 2689
toxicity
Aedes aegypti 141, 2694
Aedes epactius 5142
Culex pipiens 142, 1233
Culicidae 5935
insects, cell lines 2680, 4483
mammals 5936
Mansonia 5549
Phlebotominae 1022
- Bacillus thuringiensis* subsp. *kurstaki*
biochemistry
amylases 4950
proteinases 5940
proteins, phosphorylation 4482
biotechnology, plasmids, transformation 5937
crystals
genes, amino acids, sequences 4947
polypeptides 3945
culture techniques 379, 3947
flagella, antigens 3322
formulations, aerial spraying, droplet studies 2078
morphology, spores, appendages 5404
plasmids, DNA 379
protoplasts, preparation 384
- Bacillus thuringiensis* subsp. *kurstaki*
cont.
toxins
antibacterial properties 391
biochemistry, peptides 1228
biotechnology 789
cloning, gene expression 2688, 2693
mode of action 378
molecular genetics 2683
toxicity
insects 385, 4947
cell lines 2680
- Bacillus thuringiensis* subsp. *kyushuensis*, peptides 2691
- Bacillus thuringiensis* subsp. *morrisoni*, ultraviolet radiation, bacteriophages, DNA 5939
- Bacillus thuringiensis* subsp. *oyamensis*, taxonomy, new subspecies 3316
- Bacillus thuringiensis* subsp. *sandiego*, toxins, toxicity, Coleoptera 2684
- Bacillus thuringiensis* subsp. *sumiyoshien-sis*, taxonomy, new subspecies 3322
- Bacillus thuringiensis* subsp. *thuringiensis*
biochemistry, proteins, phosphorylation 4482
control
ectoparasites 4984
Muscidae 1469
crystals, polypeptides 3945
plasmids, nucleotide sequences 3950
toxins
mode of action 378
toxicity, insects 385
- Bacillus thuringiensis* subsp. *tolworthi*, toxins, genes, nucleotide sequences 2690
- Bacteria*, Metastigmata, host parasite relationships 1983
- Bacterial insecticides*
bioassays, methodology 4480
control, insect pests 414
pest control
reviews 2661
safety 2660
- Bactoculicide* (see *Bacillus thuringiensis* subsp. *israelensis*)
- Bactrocera cucurbitae*, human faeces, Pakistan 2424
- Bactrocera dorsalis*, human faeces, Pakistan 2424
- Bactrocera tryoni*, allergens 3074
- Bactrocera zonata*, human faeces, Pakistan 2424
- Baculovirus*
biotechnology 3939
growth factors 2671
bluetongue virus, gene expression 2600
culture techniques 2665
genetic engineering, chitinase 2736
hepatitis B virus 1225
herpes simplex virus, biotechnology 2674
hosts, *Euproctis chrysorrhoea* 4479
insects
cell lines
biotechnology 2667
culture techniques 3942-3943
Japanese encephalitis virus, biotechnology, vaccines 5360
measles virus, protein synthesis, biotechnology 2676
molecular genetics
biotechnology 2666
reviews 5402
Primates, cell lines, infections 2664
recombinant plaques, antibody probes 2067
Spodoptera frugiperda, cell lines, β -adrenergic receptors, gene expression 5933
taxonomy, genetic variation 2668
toxicity, mammals 2670
viral insecticides
pest control 2669, 5403
safety 3940-3941
virology, reviews 3315
- Badumna insignis*
man
bites 3218
Australia 3219
- Baetis sahoensis*, pesticides, nontarget effects 826
- Baetis thermicus*, pesticides, nontarget effects 826
- Bahamas**, *Aedes* 159
- Bahrain**, akabane virus, epidemiology 346
- Baits**
Blattaria 2175
feeding behaviour 1748
granules
carbamates, *Musca domestica* 1472
methomyl, *Musca domestica* 1471
Lucilia cuprina 4230
- Bakerdania*, cattle dung, USA 2521
- Bakerdania deilaensis*, taxonomy, new species 2001
- Bakerdania nouri*, taxonomy, new species 2001
- Bakerdania randae*, taxonomy, new species 2001
- Bakerdania sarabae*, taxonomy, new species 2001
- Bakerdania sinanii*, taxonomy, new species 2001
- Bakericheyla chanayi*, anatomy, musculo-skeletal system 5862
- Baku virus**, taxonomy, chemotaxonomy 2591
- Balaena mysticetus*, parasites, Arctic Ocean 3228
- Balaustium*, birds, Poland 1995
- Baloghella melis*, *Meles meles*, animal burrows, Europe 467
- Balta**, taxonomy 2878
- Baltic Sea**, Salmonidae, Copepoda 1623
- Bambusa vulgaris*, Culicidae, Venezuela 5592
- Bancroftian filariasis** (see also *Wuchereria bancrofti*)
- Bandicota bengalensis*
ectoparasites, India 665
Xenopsylla cheopis, India 2205
- Bangladesh**
Calliphoridae 5730
Diptera, scientific expeditions 5458
Sinonipponia papaii 4231
- Barbus pobeguini*, prey, Culicidae, predation 5628
- Barbus stigma*
insecticides, effects, digestive system 4033
lindane, toxicity 839
- Barilius gatensis*, prey, Culicidae, India 539
- Barmah Forest virus**, man, Australia 1630, 5847, 5902, 5911
- Bartonella bacilliformis*, man, Peru 4427
- Batai virus**
man, USSR 1010
vectors
Aedes, USSR 1010
Culicidae, Sweden 4188
- Batis maritima*, unimolecular films, effects 2786
- Batrachotaenia carpathica*, intermediate hosts, Cyclopida, development 3231
- Bayticol** (see Flumethrin)
- Bdellidae**, entomogenous fungi 2705
- Beauveria amorphia*, protoplasts 2701
- Beauveria bassiana*
biochemistry, triacylglycerol lipase 3958
control, *Solenopsis* 4778
culture techniques 793, 1235, 4959
development, protoplasts 2703
fungal insecticides, pest control 4958
hosts
Acari 2705
arthropods, Italy 4955
Glossina morsitans, pathogenicity 5219
Musca domestica, pathogenicity 4711
Rhodnius prolixus, pathogenicity 5500
Vespa 268
mycelium, storage 4487
proteinases, regulation 3957
protoplasts 2701
- Beauveria brongniartii*
fungal insecticides, pest control 4958

- Beauveria brongniartii** *cont.*
 hosts, *Rhodnius prolixus*, pathogenicity 5500
 protoplasts 2701
- Behaviour**
Aedes, mating 2282
Aedes aegypti
 feeding behaviour, larvae 3590
 oviposition 2966-2967
 plants, odours, orientation 165
Aedes albopictus, oviposition 2322, 5132-5133
Aedes fluviatilis, oviposition, colour 5596
Aedes taeniorhynchus, feeding behaviour 5539
Aedes triseriatus
 feeding behaviour 5115
 flight 157
 oviposition 2950
Anopheles
 feeding behaviour 1811
 larvae 1839
Anopheles arabiensis, plants, odours, orientation 166
Anopheles darlingi, biting rates 2275
Anopheles punctulatus, host selection 1004
Anopheles stephensi, circadian rhythm, flight 1799
 aquatic insects, dispersal, streams 3487
 arthropods
 dispersal 466
 haematophagy 464
 mating 2854
Blattella germanica, circadian rhythm, photoperiod 5078
Chrysops, feeding behaviour 1043
Cochliomyia hominivorax
 mating behaviour 5234
 oviposition 3670, 3690
Coquillettia perturbans, feeding behaviour, larvae 4618
Ctenocephalides felis, circadian rhythm, locomotion 4153
Culex quinquefasciatus, oviposition 994
Culex tarsalis, swarming 945
 Culicidae
 feeding, larvae 1801, 1831
 feeding behaviour 133, 2291
 techniques 1408
 larvae, locomotion 2257
 oviposition 3600
 resting behaviour
 colour 4162
 surfaces 4161
Culicoides, host-seeking behaviour 1014
Deinocerites cancer, feeding behaviour 2319
 Diptera
 ammonia, larvae, aggregation 4695
 mating behaviour 1099-1100, 3717
Drosophila melanogaster, learning 4749
 dung beetles, nesting, drought 3737
 Formicidae
 foraging 3781
 spatial distribution 2458
Glossina
 host-seeking behaviour 1865-1866, 1870, 3050, 5215
 mating behaviour 1867, 1874
Glossina morsitans
 host-seeking behaviour 1868
 landing 2377
Glossina pallidipes, mating behaviour 5216
Glossina palpalis, colours, orientation 199
Glossina tachinoides, feeding behaviour 1049
Haemagogus equinus, oviposition 5136
Hybomitra lasiophthalma, feeding, sugars 3042
 Hymenoptera
 foraging 614
 learning 2438
 mating frequency 3111
 social behaviour 2439-2440
- Behaviour** *cont.*
 insects
 artificial light 5049
 foraging 5042
 mating behaviour 2853
Ixodes pacificus, host-seeking behaviour 1567, 4797
Ixodes persulcatus, host-seeking behaviour 1985
Lucilia cuprina
 feeding behaviour 5740
 learning 5239
 colour 4715
 oviposition 4726
Lutzomyia longipalpis, feeding behaviour 1856
Mansonia, oviposition 3596
Mansonia annulifera, larvae, attachment, substrates 5110
Monomorium pharaonis, foraging 4284
Musca domestica
 landing behaviour 1062
 mating behaviour 3651
 Muscidae, flight, activity 3055
Muscidifurax, inheritance 261
Muscidifurax raptor, parasitism, genetics 3760
Nauphoeta cinerea
 mating, sexual selection 2874
 mating behaviour 1316
Nicrophorus orbicollis, parental care 5779
Oniticellus, nesting, dung 3742
Periplaneta americana, perception, allelochemicals 1315
Phlebotomus, sugars, feeding 5643
Polistes, social behaviour 621
Polistes exclamans, nesting 4762
Polistes fuscatus, nesting 2451
 predation, functional response 3481-3482
Prosimulium, oviposition 3028
Rhipicephalus evertsi, sounds, repellency 1146
 Simuliidae, feeding behaviour 186-187, 189, 4680
Simulium, feeding behaviour 193
Simulium ornatum, larvae, locomotion 3029
 Siphonaptera, feeding behaviour, haematophagy 1782
 social insects, foraging, navigation 3466
Solenopsis invicta, semiochemicals 4774
 Tabanidae, feeding behaviour 1861, 2366
Tabanus, feeding behaviour, honeydew 3040
Topomyia pseudobarbus, feeding, sugars 1374
Toxorhynchites, cannibalism 2276
Toxorhynchites amboinensis, killing behaviour 2287
Toxorhynchites minimus, oviposition 5570
Toxorhynchites theobaldi
 oviposition 962
 predation, functional responses 980
Triatoma infestans, host-seeking behaviour 1774
 Triatominae
 feeding behaviour 52, 5502
 reviews 2908
Typhaeus typhoeus, foraging 3095
 Belau, dengue virus, epidemiology 5904-5905
- Belgium**
 aquatic insects 2858
 fauna, identification 2116
Philopomyia aprica 1442
Sarcoptes scabiei 4360
- Belize**
 Anophelinae, taxonomy, keys 4617
Cochliomyia hominivorax 3073, 3670, 5234
Diplocentrus 2033
Bellieria, mountains, Czechoslovakia 228
Bellieria gorodkovi, taxonomy, nomenclature 5731
Bellieria rohdendorfi, taxonomy, nomenclature 5731
- Belonuchus rufipennis*, prey, *Stomoxys calcitrans* 1456
Belostoma, prey, *Culex tarsalis* 2963
Belostoma flumineum, prey, Gastropoda, predation 5091
Belostoma lautarium, morphology, eggs, chorion 2199
 Belostomatidae, marshes, Canada 55
 Bendiocarb (2,2-dimethyl-1,3-benzodioxol-4-yl methylcarbamate)
 control
Aedes aegypti, bioassays 1832
 Culicidae 117
 effects, *Blattella germanica*, photosensitivity 478
 resistance
Blattella germanica 4137
Culex quinquefasciatus 2973
 susceptibility
Aedes albopictus 84
 USA 2263
Anopheles gambiae 5623
 toxicity
Blattella 5071
Blattella germanica 25, 5476
Ctenocephalides felis 1343, 3548
Bengalia labiata, distribution, Bangladesh 5730
Bengalia lateralis, prey, insects 4723
Bengalia torosa, distribution, Bangladesh 5730
- Benin**
Anopheles 5629-5630
Simulium sirbanum 1440
 Benzoylcognine, effects, *Boettcherisca peregrina*, development 1907
 Benzoylphenylureas, chemistry, research 5415
 Benzyl benzoate
 control
Psoroptes cuniculi 690
Sarcoptes scabiei 1601, 2115, 2542, 3210, 5870
 (E)-1-Benzyl-5-[2,6-dimethyl-1,5-heptadienyl]imidazole, mode of action, insects 823
- Bercaea cruentata*
 distribution, Pakistan 5731
 human faeces, Pakistan 2424
 parasitoids, parasitism 5783
Bercaea haemorrhoidalis (see *B. cruentata*)
- Bermuda**
 Culicidae 2299
Iridomyrmex humilis 4775
Berosus, prey, *Culex tarsalis* 2963
Beziella, taxonomy, nomenclature 2396
Bezzia, taxonomy 554
- Bhanja virus**
 birds, Czechoslovakia 354-355, 714
 man, Yugoslavia 4380
 vectors, *Dermacentor marginatus*, Czechoslovakia 2499, 4302
- BHC** (see HCH)
 γ-BHC (see Lindane)
- Bibliographies**
 Acari, books 3398
 animals, Lithuanian SSR 4085
 Coleoptera, sampling 1923
 Cryptostigmata, Galapagos Islands 3839
 Culicidae, Iraq 5106
 Danilov, V.N., research 1702
 Formicidae, keys 2462
 Halacaridae 3831
 Hiepe, T., research 5984
 Lewis, D.J., research 879
 parasitology, Poland 2816
 Triatominae, South America 3538, 4084
- Biconical traps**, *Glossina pallidipes*, efficacy 569
 Bifenthrin, toxicity, *Ctenocephalides felis* 1343
Bilenemiya, taxonomy, new subgenus 2396
Billbergia pyramidalis, axils, Culicidae, USA 1390
Binunculoides, taxonomy, revision 3834
 Bioallethrin ((1*R*-trans)-2-methyl-4-oxo-3-(2-propenyl)-2-cyclopenten-1-yl 2,2-

Bioallethrin cont.

- dimethyl-3-(2-methyl-1-propenyl) cyclopropanecarboxylate)
- control
 - arthropods 2079
- Pediculus capitis* 42, 5490
- effects
 - γ -aminobutyric acid, receptors 4041
 - benzodiazepine, receptors 4042
 - nervous system 4043
- toxicology 4524

Bioassays

- avermectins, analogues, *Artemia salina* 2092
- bacterial insecticides, methodology 4480
- Ceriodaphnia dubia*, sex differences 421
- Culicidae
 - computer software 2269
 - orientation, flowers, odours 165
- Daphnia magna*
 - pollutants 4994
 - toxicology 4019
- entomopathogens, insects, quality controls 2066
- Haematobia irritans*, ivermectin 4789
- insect repellents, cages 2159
- insecticides, dosage 3359
- mosquito nets, permethrin 989
- Periplaneta americana*, behaviour, electroantennograms 2885
- Phormia regina*, insecticides 4722
- statistical analysis 4986

Biochemistry

- acetylcholinesterase, insects 2132
- Acheta domesticus*
 - eggs, moulting hormones 1954
 - fatty acids, biosynthesis 5037
- Aedes aegypti*
 - catechol oxidase 2975
 - digestion 1368
 - enzymes, development 2936
 - glutathione transferase 1797
 - neuropeptides 1804
 - polyamines 797
 - ribosomal RNA, fat body 5105
 - trypsin, biosynthesis 1802
 - vitellogenesis 137
 - vitellogenins 1796, 5566
- Aedes togoi*
 - enzymes 1803
 - lyases 2970
- Aedes vexans*, carbohydrates, size 949
- Amblyomma americanum*, salivary glands, inositol phosphates 1960
- Amblyomma hebraeum*
 - eggs 5839
 - salivary glands, secretions 5838
- Anopheles albimanus*, chromosomes, proteins 2969
- apamin, neurophysiology 5272
- Apis mellifera*, cuticle, hydrocarbons 3764
- arthropods
 - cuticle 5415
 - enzymes, assays 5456
 - haemocyanin 1611
- Blaberus colosseus*, glycolipids 5065
- Blaberus discoidalis*, fat body, protein synthesis 2176
- Blattaria
 - corpora cardiaca, peptides 33
 - neurotransmitters 32
- Blattella germanica*
 - arthropod hormones, trehalose 5077
 - cuticle
 - catecholamines 4568
 - hydrocarbons 2875
 - saliva, proteins 5069
 - vitellins 908
 - proteolysis 909
 - vitellogenesis 5470
- Boettcherisca peregrina*
 - antibacterial peptides 5233
 - sarcotoxin II 1077
- Boophilus microplus*, endocrine system 654
- Calliphora vicina*
 - ecdysone, biosynthesis 1894
 - glycosphingolipids 5241

Biochemistry cont.

- Calliphora vicina* cont.
 - serotonin, development 1891
 - vision 1081
- Calliphora vomitoria*, cuticle, hydrocarbons 5727
- Chironomidae, electrolytes 5766
- Chironomus riparius*
 - haemoglobins 5771
 - salivary glands, protein synthesis 1093
- Cochliomyia hominivorax*, cuticle, hydrocarbons 3064
- Culex pipiens*, metabolism 986
- Culex quinquefasciatus*, acetylcholinesterase 4604
- Culex tarsalis*, nutrition 1833
- Dermacentor variabilis*, vitellogenesis 1535
- Diptera punctata*
 - haemolymph, juvenile hormone III 1730
 - neurohormones 5471
- Diptera, anaerobic metabolism 1383
- Drosophila melanogaster*
 - cuticle 4538
 - cytochrome P-450 2722
 - dihydrofolate reductase 5036
- Eurypelma californicum*
 - haemocyanin, molecular structure 2558
 - haemolymph 1172
- Glossina morsitans*, proline, biosynthesis 1863
- Heterometrus bengalensis*,
 - haemolymph, glycoproteins 3226
- Heteroptera, scent glands, secretions 496
- insects
 - cell lines, chitin, biosynthesis 3456
 - cuticle 1705, 5038
 - hydrocarbons 3347
 - sclerotization 882, 2126, 4537
 - cytochrome P-450, monooxygenases 4120
 - endosymbiosis 4544
 - fatty acids, metabolism 3452
 - hormones 7
 - juvenile hormones
 - biosynthesis 2138
 - metabolism 5457
 - midgut, proteinases 4121
 - moulting hormones, metabolism 3493
 - muscles, ADP, binding 3459
 - muscular system, enzymes 883
 - nervous system, polypeptides 5039
 - neurohormones 3461-3462, 3471
 - neuropeptides 2131, 2133
 - neurotransmitters 458, 884
 - peptides 2157
 - nomenclature 3473
 - polyamines, development 3474
 - proteins 2125
 - sterols, metabolism 3453
 - vision 4730
 - vitellogenesis 2136
- Ixodidae, proteins, phosphorylation 1534
- Lucilia caesar*, glycosphingolipids 5725
- Lucilia cuprina*, larvae, proteinases 3069
- Lutzomyia longipalpis*, saliva, vasodilator agents 1431
- Metastigmata, eggs, moulting hormones 1958
- moulting hormones, nuclear magnetic resonance spectroscopy 1706
- Musca*, cuticle, calcium 1455
- Musca domestica*
 - acetylcholinesterase 1056
 - arylphorin 5230
 - cytochrome P-450 4227
 - digestion, enzymes 1882
 - α -ecdysone, metabolism 5695
 - glycosidases 5221
 - larvae, midgut, peptidases 4708
 - metabolism, uric acid 4217
 - midgut, enzymes 1057
 - monophenol monooxygenase 5229
 - moulting, moulting hormones 577

Biochemistry cont.

- Musca domestica* cont.
 - proteins, vitellogenesis 4709
 - uric acid, metabolism 5226
- Muscidae, midgut, proteinases 3660
- Myrmecia*, Dufour's gland, secretions 3131
- Nauphoeta cinerea*, vitellogenesis 910
- Neobellieria bullata*
 - cuticle
 - enzymes 1070
 - sclerotization 3455, 4729, 5721
 - haemolymph, enzymes 4727
 - immune system 578
- Ornithodoros moubata*
 - moulting hormones, metabolism 1138
 - proteinase inhibitors 3814
 - vitellogenesis 1970
 - techniques 1576
- Palamneus phipsoni*, arginine, metabolism 703
- Parasarcophaga crassipalpis*, muscles 1892
- Parasarcophaga ruficornis*
 - moulting hormones 5743
 - assays 5742
- parasites, proteins 5747
- Periplaneta americana*
 - acetylcholinesterase, ovarian development 5072
 - acyltransferases 1734
 - biogenic amines
 - metabolism 1740
 - nervous system 905
 - ecdysone, metabolism 1729
 - enzymes, nervous system 2888
 - hydrocarbons 917
 - neuroendocrine system 4561
 - neuropeptides 4556
 - octopamine, metabolism 3501
 - secretions, acetoin 1317
 - taurine, trehalase 1723
 - trehalose, biosynthesis 1724-1726
- Phlebotomus*, saliva, enzymes 1855
- Phormia regina*, feeding behaviour, biogenic amines 3678
- Phormia terraenovae*
 - antibacterial peptides 5235, 5237
 - dipterin A 1906
- Rhodnius prolixus*
 - digestion, enzymes 1766
 - fat body, protein kinases 1765
 - lipid transport 5087
 - lipophorin 1768
 - Malpighian tubules, c-AMP 5084
 - midgut, hydrolases 1764
 - moulting hormones, development 2196
 - protein synthesis, accessory glands 1767
- Rhyarobia maderae*
 - apolipophorin I 1727-1728
 - haemolymph 34
- Solenopsis invicta*, cuticle 4774
- Stomoxys calcitrans*, digestion, sterols 576
- Tabanus*, cuticle, hydrocarbons 5211
- Triatoma infestans*
 - lipophorin 5494
 - lipoproteins 2197
- Triatominae
 - cuticle
 - chitin 2919
 - lipids 2918
 - lipid metabolism 2917
 - reviews 2916
- Tyrophagus perniciosus*, monoterpenes 5331

Biographies

- Couch, J.N. 3440
- Danilov, V.N. 1702
- Dubois, A.L.M. 3441
- Grodhaus, G. 1296
- Hocking, B. 2291
- Lewis, D.J. 879
- MacCreary, D. 1298
- McIver, S.B. 448
- McMahon, J.P. 880
- Miller, T.A. 2840
- Pant, C.P. 1299

Biographies cont.

- Philip, C.B. 4117
 Popov, P.P. 4115
 Quarterman, K.D. 2839
 Rosay, B. 2841
 Slater, M.G. 449
 Smith, W.W. 2842
 Tinkham, E.R. 447
 Trager, L.W., Jr. 1297

Biological control

- Aedes* 4623
Aedes aegypti 2260, 2287, 5576
Aedes cantator 969, 2312
Amblyomma 5845
Anopheles 2294, 5605
Anopheles albimanus 2960
Anopheles freeborni 2264
Austrosimulium 3030
 Calliphoridae 3071
Culex tarsalis 114, 5538
 Culicidae 113, 125, 156, 940, 1403, 2265, 3603, 4159, 4601, 4610, 5531, 5628, 5633
 reviews 2938
 insect pests, biotechnology 2714
Mansonia 3578
Musca domestica 1452, 2387-2388, 5223, 5704
Musca vetustissima 219
 Muscidae 1061, 1936, 3056, 5705
 New Zealand, books 867
Periplaneta 5075
Periplaneta americana 1745
 pests, theory 15
 theory, models 3312
 USA, research 2835
 vectors, reports 2713
Vespa 3123

Biological control agents

- catalogues 3431
 Nicaragua 3332
Biometrics, Coleoptera, biomass 2428
Biomphalaria, predators 3712
Biomphalaria glabrata, predators 5257
Bioresmethrin ((1*R*-*trans*)-[5-(phenylmethyl)-3-furanyl]methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate)
 control, *Musca domestica* 2380
 photostability, clay 2809
 structure activity relationships, *Musca domestica* 1887
 toxicity, *Periplaneta americana* 479

Biotechnology

- applied entomology, reviews 2851
 Ixodidae, salivary glands, secretions 1529

Biphyllidae, caves, Venezuela 3101**Birds**

- arboviruses
 Czechoslovakia 354-355, 714
 zoonoses 2579
 Culicidae
 Brazil 74
 USA 4644
 droppings, *Francisella tularensis*, surveillance 1638
 eastern equine encephalitis virus, USA 1407
 ectoparasites, Poland 1314, 1995
Glossina fuscipes, Uganda 567
 Ixodidae
 France 1978
 Poland 1559-1560
 Mallophaga, Costa Rica 36
 Phlebotominae, India 559
Proctophyllodes, USA 4850
 St. Louis encephalitis virus, USA 1186
 Simuliidae, USA 2359
Birds' nests, Diptera, UK 4245
Bironella, Australasia, catalogues 4095
1,3-Bis(3-Chlorophenyl)-2-(trichloromethyl)imidazolidine, resistance, *Musca domestica*, German Democratic Republic 5700
Bison bonasus, *Chorioptes bovis*, skin diseases 1169

Bites

- Amblyomma triguttatum*, man 5846

Bites cont.

- Araneae
 man
 Australia 3219
 UK 3860
 arthropods, man 784-786
Atrax, man, treatment, antivenoms 4851
Badumna insignis, man 3218
Cimex lectularius, rabbits, papillomas 3543
Culex, man 127
 Culicidae
 man
 immune response, detection 2329
 USA 98
 haematophagous insects, man 2065
 insects
 man 3305, 3937
 treatment 3936
Ixodes ricinus, man 3155
 Ixodidae
 hosts, pathology 3799
 man 1547, 5809
Loxosceles reclusa, man 3859
Scolopendra, man 1624
Scolopendra heros, man 708
 Simuliidae, man 2364
 Theraphosidae, man 1175
Xenopsylla cheopis, rats, immune response 2928

Bivens Arm virus

- taxonomy, new species 2344
 vectors, *Culicoides insignis*, USA 2344

Blaberidae

- checklists, North America 918
 morphology, sclerites 29

Blaberus colosseus, biochemistry, glycolipids 5065**Blaberus craniifer**

- caves, Mexico 5073
 immunocytochemistry, nervous system 916
 insecticides, effects, nervous system 3519
 ontogeny, cuticle, circadian rhythm 1738
 physiology
 corpora cardiaca, antidiuretic factors 1737
 immune system 2870

Blaberus discoidalis

- biochemistry
 corpora cardiaca, peptides 33
 fat body, protein synthesis 2176
 juvenile hormones, biosynthesis 2138

Blaberus trapezoides, biochemistry, corpora cardiaca, peptides 33**Black Sea**, Isopoda 2043**Blaesoxipha aspinata**, taxonomy, redescription 2398**Blaesoxipha plinthopyga**, ecology, diapause, life history 3689**Blastocrithidia gerridis**, hosts, *Gerris odontogaster* 2072**Blastocrithidia triatomae**

- culture techniques 3539
 hosts
 Triatoma infestans
 infections 2926
 pathogenicity 1338, 4585, 5089

Blatta orientalis

- antigens, characterization 4557
 biochemistry, corpora cardiaca, peptides 33
 insecticides, toxicity 1462
 man, hypersensitivity, treatment 4134
 parasitoids, parasitism 474
 pyrethroids, toxicity, temperature 1258
 urban areas, New Zealand 2891

Blattabacterium cuenoti

- Blattella germanica*, transovarial transmission 4139
 hosts, *Blattella germanica*, host parasite relationships 2182

Blattaria

- Azadirachta indica*, botanical insecticides, effects, reviews 3354
 biology, books 1741

Blattaria cont.

- cattle housing, Yugoslavia 5409
 checklists, North America 918
 control 2173
 baits 2175, 3527
 insecticides 799, 1466, 2079, 2184, 5409
 distribution, Norfolk Island 3500
 dwellings, USA 2173, 2184
 man, allergies 35, 3302
 medical entomology, Australia 3937
 North America, checklists 918
 Protozoa, mechanical transmission 368
 rearing techniques 28
 reproduction, ovoviviparity 3522
 urban areas, German Democratic Republic 1721-1722
 Yugoslavia, checklists 904
 zoological gardens, Poland 1466
Blattella, dwellings, Gambia 991
Blattella asahinai
 insecticides, toxicity 5071
 introduction, USA 2174
 taxonomy, identification, chemotaxonomy 3444
Blattella germanica 4560
 allergens, characterization 4132
 antigens
 characterization 4557
 cross reactivity 911
 behaviour, circadian rhythm, photoperiod 5078
 biochemistry
 arthropod hormones, trehalose 5077
 cuticle
 catecholamines 4568
 hydrocarbons 2875
 saliva, proteins 5069
 vitellins 908
 proteolysis 909
 vitellogenesis 2136, 5470
 biology
 development 5476
 nutrition 919
 buildings, USA 5060
 carbamate insecticides, toxicity 1318
 cell lines, moulting hormones, biosynthesis 3470
 chlorpyrifos-methyl, sublethal effects, reproduction 4563
 compactin, effects, juvenile hormones, biosynthesis 3520
 control
 growth regulators 4564, 5079
 insecticides 25, 2183
 trapping 5468
 diflubenzuron, effects 1464
 dwellings
 India 5468
 USA 25, 2183, 4564
 ecology, spatial distribution 5060
 endosymbionts, host parasite relationships 2182
 entomophilic nematodes 3327
 fenvalerate, isomers, pharmacokinetics 4127
 genetics, mutants 5059
 growth regulators
 effects, reproduction 1746
 efficacy 4559
 sterilization 2178
 toxicity, eggs 5061-5062
 herbaria, control 2170
 hydroperene, effects, reproduction 1749
 insecticides
 effects
 oothecae 5475
 photosensitivity 478
 resistance 4137
 resistance mechanisms 3528
 toxicity 1671, 4558, 5071, 5476
Juniperus virginiana, repellents 1747
 man
 allergies 911, 5058
 hypersensitivity 2171, 4133, 4474
 treatment 4134
 methyl 12,12,12-trifluorofarnesoate, effects, juvenile hormones, synthesis 4570
 mutants, legs, regeneration 4128

Blattella germanica *cont.*

- ontogeny, oocytes, electrophysiology 4135
- organophosphorus insecticides, effects, reproduction 2876
- parasitoids 5076
- phenothrin, (1*R*)-*cis-trans*-isomer, effects 4560
- [1*R*-[1 α ,3 α (*E*)]-[5-(Phenylmethyl)-3-furanyl)methyl-3-[(dihydro-2-oxo-3(2*H*)-thienylidene)methyl]-2,2-dimethylcyclopropanecarboxylate, effects 4560
- physiology
 - immune system 915, 1739
 - neuroendocrine system 5469
 - reproduction 2890
 - gonotrophic cycles 1743
- precocene II, effects, corpora allata 3516
- propoxur
 - effects, feeding behaviour 2180
 - repellency, formulations 2177
- pyrethroids 4560
- pyrethroids, toxicity 2091
- repellents, effects, dispersal 5063
- restaurants, Taiwan 5476
- sex pheromones 2875, 5474
- ships, Poland 1318
- silica, toxicity 2883
- symbionts, transovarial transmission 4139, 5479
- taxonomy, identification, chemotaxonomy 3444
- tin compounds, toxicity, mode of action 2756
- Tolypocladium cylindrosporum*, pathogenicity 1652
- Trichospirura leptostoma*, animal housing 4572
- ultrastructure
 - granulocytes 1739
 - membranes, bacteriocytes 2182
- ultraviolet radiation, effects, behaviour 5080

Blattella humbertiana, histochemistry, neuroendocrine system 4141

Blattella lineaticollis, taxonomy, nomenclature 3522

Blattella lituricollis, distribution, Ryukyu Archipelago 907

Blattella vaga

- insecticides, toxicity 5071
- taxonomy, identification, chemotaxonomy 3444

Blattellidae, checklists, North America 918

Blattellina, taxonomy, redescription 4136

Blatticola blattae, reproduction, arrhenotoky 3327

Blatticola monandros, hosts, *Parellipsidion pachycercum*, host parasite relationships 472

Blattidae, checklists, North America 918

Blattophila americana

- hosts, *Periplaneta americana* 2709
- taxonomy, new species 2709

Blattophila basiri

- hosts, *Periplaneta americana* 2709
- taxonomy, new species 2709

Blomia tropicalis

- house dust, India 5328
- man, allergies 5328

Blood-meals**Anopheles**

- identification, ELISA 534, 4454
- Papua New Guinea 1811
- Anopheles culicifacies*, identification 76
- Anopheles freeborni*, USA 3558
- Chrysops*, Congo 1043
- Culex*, Burma 4163

Culicidae

- China 5559
- Egypt 1398
- Kenya 5530
- multiple feeding, identification 2985
- near-infrared reflectance spectroscopy 3577
- USA 4644
- Culicoides variipennis*, size 1016
- Glossina*, Liberia 4687
- Glossina fuscipes*, Uganda 567

Blood-meals *cont.*

- haematophagous arthropods, identification 3491
 - Phlebotominae, India 559
 - Phlebotomus*, Egypt 3002
 - Simuliidae, USA 2359
 - Triatominae, identification 52
 - vectors, identification, techniques 5460
- Blotic** (see Propetamphos)
- Bluetongue virus**
- Baculovirus*, genetic engineering 4382
 - biology, books 870
 - cattle, USA 2994, 4890
 - epidemiology, reviews 726
 - livestock
 - India 3897
 - Mexico 2577
 - proteins, gene expression, biotechnology 2600
 - RNA, gene expression, biotechnology 5900
 - ruminants, USA 178
 - sheep
 - detection, ELISA 2576
 - diagnosis 5373
 - India 5371, 5374
 - ultrastructure, tubules 5895
 - vectors

Culicoides

- French Guiana 3621
- infections 5179
- transmission 551
- USA 5180
- Culicoides variipennis*
 - detection 1424
 - ELISA 5181
 - infectivity 1429
 - storage, recovery 4669
 - transmission 178

Boats, *Aedes togoi*, Canada 5550

Boettcherisca formosensis

- ecology
 - diapause, puparia 1899
 - larvae, interspecific competition 3687

Boettcherisca invaria, ecology, diapause, puparia 1899

Boettcherisca javanica

- ecology, diapause, puparia 1899
- taxonomy, nomenclature 5728

Boettcherisca karnyi, ecology, diapause, puparia 1899

Boettcherisca koimani, ecology, diapause, puparia 1899

Boettcherisca nathani

- ecology, diapause, puparia 1899
- taxonomy, nomenclature 1064

Boettcherisca nepalensis, taxonomy, nomenclature 1064

Boettcherisca peregrina

- biochemistry
 - antibacterial peptides 5233
 - sarcotoxin II 1077
- cocaine, effects, development 1907
- distribution, South East Asia 5728
- ecology, diapause, puparia 1899
- lectins, genes, cloning 1482
- man, myiasis 1484
- morphology, adults 3684
- morphotaxonomy, larvae 3683
- ontogeny, fat body, metamorphosis 1910
- physiology, immune system 1900
- sarcotoxin I, genes, nucleotide sequences 1481

Boettcherisca septentrionalis, ecology, diapause, puparia 1899

Boettcherisca timorensis, ecology, diapause, puparia 1899

Bolivia

- Aralichus* 3213
- Gigantodax* 3635
- Leishmania*, epidemiology 3292
- Lutzomyia* 3007-3009, 5194
- Triatoma infestans* 1339

Boluses

- cattle
 - Dermatobia hominis* 582
 - Ixodes ricinus* 4305
- ivermectin, controlled release 290

Boluses *cont.*

- sheep, *Lucilia cuprina*, cyromazine 3685

Bombus pennsylvanicus

- venoms
 - biochemistry 1113
 - toxicity, insects 1113

Bone marrow disorders, man, arthropods, envenomation 784

Bonomia sphaerocerae, hosts, Sphaeroceridae 4313

Bonomiella columbae, pigeons, Spain 5485

Books

- agricultural entomology, Chile 3414
- allethrin, safety 4524
- animals, Siberia, taxonomy 2830
- Apidae, man, envenomation 2119
- aquatic insects, North America 440
- aquatic invertebrates, UK 3425
- Arachnida, biology 863
- Araneae, taxonomy 1290
- arboviruses, epidemiology 872-876
- arthropod pests
 - common names, UK 4092
 - nomenclature 2120
- arthropods, USSR 5446
- avermectins 5029
- Azadirachta indica*, botanical insecticides 3421
- biological control, New Zealand 867
- bluetongue virus, biology 870
- botanical insecticides 3419
- cats
 - diseases 871
 - skin diseases 1697
- cattle, diseases 5033
- Ceratopogonini, taxonomy 5983
- Chalcidoidea, Australasia 4266
- Coleoptera
 - Australia 859
 - biology 4089
 - Canada 868
 - Turkey 4090
- compound eyes, physiology 3402
- Culex quinquefasciatus*, integrated control 5447
- Culicoides impunctatus*, biology 5443
- Cyclorrhapha, developmental stages 5982
- Diapriidae, New Zealand 4108
- Diptera, Nearctic Region 3418
- Dirofilaria immitis*, biology 858
- dogs
 - diseases 2829
 - skin diseases 1698
- Drosophila*
 - biology 3405
 - chromosome maps 3403-3404
 - laboratory manuals 3406
- entomogenous fungi, biology 865
- entomology 861, 2118
 - glossaries 5032
 - research institutes 4518
- entomopathogens, biotechnology 2819
- Europe, fauna, identification 2116
- evolution
 - arthropods 2815
 - taxonomy 3411
- Glossina*
 - control 5444
 - trapping 1872
- haemorrhagic fevers, man 4520
- horses, skin diseases 1696
- human diseases
 - Angola 4086
 - epidemiology 3412
- Hymenoptera, biology 1292
- insects
 - biology 2825
 - conservation, Netherlands 441
 - development 2823
 - Europe 866
 - immunological techniques 2827
 - tropics 4088
- insects as food 439
- invertebrates, metals, toxicology 3420
- Leishmania*, biology 3413
- malaria 1695
- medical parasitology 3399
- museums, collections, Colombia 4109
- neurophysiology, cell cultures 4104

Books cont.

- parasitoses 5031
- pathology 5030
- pesticide residues
 - analytical methods 864
 - food 869
- pesticides
 - catalogues 860, 4087
 - chemistry 2826
 - stereoselectivity 2117
 - legislation, UK 3427
 - safety 1289
 - toxicology 3415
- pets, skin diseases 4107
- pheromones 4091
- plague, history 1291
- population genetics, evolution 4105
- Rickettsia*, biology 3409-3410
- soil arthropods, biology 2818
- soil biology, techniques 2121
- temperature, animals 2828
- temporary waters, ecology 4102
- Thysanoptera 862
- toxicology, insecticides 3426
- travel medicine 5448
- Triatominae
 - America 442
 - biology 3407-3408
- vector control
 - appropriate technology 4519
 - India 5445
- vertebrate viruses 4106
- veterinary parasitology, tropics 857
- zoonoses 3400

Boolarra virus, *Drosophila melanogaster*, cell lines, infection 3314**Boophilus**

- cattle, control, acaricides 5801
- control
 - acaricides 3179-3180
 - reviews 4791
- livestock, India 3179-3180
- taxonomy, keys, adults, USA 3161

Boophilus annulatus

- Babesia bigemina*, infectivity 297
- cattle
 - USA 2494
 - USSR 648, 652
- control, acaricides 648, 652, 2494
- livestock, Spain 5825
- Odocoileus virginianus*, development 2487

Protozoa, Spain 5825**tickborne diseases, transmission 652*****Boophilus calcaratus* (see *B. annulatus*)*****Boophilus decoloratus* 4808*****Babesia bigemina*, infectivity 297**

- cattle
 - Ghana 4813
 - Kenya 4298
 - oxytetracycline 1577
 - resistance 642
 - South Africa 4808, 5806
 - Zambia 1135

- control
 - acaricides 4298
 - fumigants 1137
- ecology
 - phenology 4304
 - population ecology 1135
 - seasonal abundance 5806

pastures, Zambia 4304***Boophilus floric******Aepyceros melampus*, Mozambique 5816****taxonomy, new species 5816*****Boophilus microplus*****acaricide resistance, resistance mechanisms 1965**

- acaricides
 - toxicity 644, 2473
 - eggs 4301

antigens

- characterization 669
- DNA, nucleotide sequences 4288

Babesia*, transovarial transmission 5307**Babesia bigemina*, infectivity 297****biochemistry**

- eggs, moulting hormones 1958
- endocrine system 654

***Boophilus microplus* cont.**

- cattle
 - Argentina 1200, 1578, 3177
 - Australia 3790
 - Brazil 2477, 3152, 5827
 - control, immunization 3810, 4288, 4297
 - ectoparasitoses 3822
 - histocompatibility antigens 2514
 - immune response 5314
 - immunization 669, 1531, 2503
 - liveweight gain 2514
 - Madagascar 1548
 - New Caledonia 643, 3153
 - South Africa 5806
 - Uruguay 2491
- cell lines, *Borrelia burgdorferi*, growth 1966
- control
 - acaricides 643, 1578, 2477, 2491, 3152, 3813, 3822
 - sticky plants 4289
 - coumaphos, resistance, acetylcholinesterase 4300
 - Coxiella burnetii*, South Africa 4922
 - Crimean-Congo haemorrhagic fever virus, Madagascar 1548
 - development, temperature 3157
 - ecology
 - seasonal abundance 3177, 5806
 - survival 4294
 - habitats, Puerto Rico 4294
 - livestock
 - immunity 1133
 - India 3813, 5799
 - morphology, abnormalities 5824
 - neuropharmacology, biogenic amines, oviposition 656
 - organophosphorus acaricides, resistance 3153
 - pastures, Australia 4289
 - propetamphos, toxicity 5799
 - pyrethroids, resistance 3790
 - rabbits, acquired resistance 3802
 - tickborne diseases, Cuba 4805
 - Trypanosoma theileri*, Brazil 1957
 - ultrastructure, Gené's organ 4785
- Boophthora erythrocephala* (see *Simulium erythrocephalum*)**
- Borborillus marginatus*, parasitoids 5694**
- Borborillus sordidus*, mites 4313**
- Borbororhinia bivittata*, distribution, Bangladesh 5730**
- Borborus aeneus***
 - taxonomy
 - lectotypes 5258
 - nomenclature 5258
- Borborus analis*, taxonomy, lectotypes 5258**
- Borborus geniculatus*, taxonomy, lectotypes 5258**
- Borborus modestus*, taxonomy, lectotypes 5258**
- Boremysis microps*, *Holophryxus* 5351**
- Boreocanthon ebenus*, *Haematobia irritans*, interspecific competition 1468**
- Boric acid**
 - control, Blattaria 3527
 - effects
 - Blattella germanica* oothecae 5475
 - photosensitivity 478
- Borrelia***
 - man
 - diagnosis 4906
 - Israel 1643
- Borrelia burgdorferi***
 - antigenic variation 2625
 - assays, polymerase chain reaction 5379
- cattle
 - Australia 3922
 - USA 4928
- control, USA 2509
- dogs
 - Austria 3921
 - diagnosis 3920, 4926
 - immune response 4923
 - UK 4927, 5385
 - USA 5387, 5914
- epidemiology 3910
- reviews 771

***Borrelia burgdorferi* cont.**

- flagellin, amino acids, sequences 2618
- hamsters, infectivity 1194
- horses 2053, 3925
 - Canada 769
 - diagnosis, ELISA 4920
 - USA 4925, 5386
- Ixodidae, cell lines, growth 1966
- livestock, USA 4924
- man 1645, 2064, 3256
 - blood transfusion 3914
 - British Isles 1193
 - Canada 1208-1209
 - Caribbean 3248
 - Czechoslovakia 364, 5920
 - diagnosis 773, 1207, 1215, 1639, 2611, 2624, 3249, 4433, 4899-4900, 4919
 - ELISA 3250, 4431
 - enzyme immunoassay 4432, 5915
 - immunoblotting 3917
 - drug resistance 4904
- Egypt 3254
- Europe 4902, 5380-5381
- eye diseases 4917
- Finland 4425
- France 653
- German Federal Republic 1202
- histopathology 4897
- immunodiagnosis, enzyme immunoassay 4429
- Italy 2616
- mixed infections, USA 3274
- Netherlands 768
- paresis 5922
- pathogenesis 4898, 4907
- reviews 4891
- Romania 766
- South Africa 4905, 4921
- Spain 365
- symptoms 362, 366, 764-765, 1147, 1203, 1206, 2054, 2056-2057, 2063, 4419-4423, 4445, 4892-4896, 5921
- reviews 2622
- treatment 4424, 4901, 5286
- UK 661-663
- USA 1552, 1641, 2062, 3172-3173, 3255, 5377, 5929
- USSR 3275-3276
- zoonoses 3149
- Peromyscus leucopus*, pathogenesis 4428**
- rats
 - arthritis, disease models 1640
 - infection 5923
 - pathogenesis 4426
 - reviews 1134
- Sceloporus occidentalis*, USA 3277**
- vector, *Ixodes scapularis*, USA 5377**
- vectors
 - Culicidae, Sweden 4188
- Ixodes***
 - control 4786
 - reviews 4787
 - transmission 1533
 - USA 2488
 - USSR 3806
 - vector competence 1974
- Ixodes angustus*, USA 3809**
- Ixodes dammini***
 - infection 5285
 - infections 3798
 - infectivity 1194
 - transmission 668, 2474, 3181, 3184
 - USA 1968, 1980, 2478, 5811
- Ixodes pacificus*, USA 1538, 3808, 4797**
- Ixodes persulcatus*, China 3807**
- Ixodes ricinus***
 - detection 2479
 - Finland 3155
 - Irish Republic 1550
- Ixodidae
 - transmission 1562
 - vector competence 5296
- wild animals, Canada 1210
- Borrelia coriaceae***
 - cattle, pathology 2604

Borrelia coriaceae cont.

taxonomy, serotaxonomy 2607

Borrelia duttoni

man, Namibia 1644

Ornithodoros moubata, Namibia 1644**Borrelia recurrentis**, man, Somalia 772**Bos indicus** (see Zebu)**Bos taurus** (see Cattle)**Bosmina fatalis**, carbaryl, effects, population ecology 4059**Botanical insecticides**, books 3419**Botswana***Ceratopogonidae* 5641*Tarsopolipus* 3189**Bougainville Island**, *Muscina arcuata* 5231**Boutonneuse fever** (see also *Rickettsia conorii*)**Bovicola**, cattle, control, insecticides 5801**Bovicola caprae**

control, insecticides 920

goats, Greece 920

Bovicola ovis

archaeology, Greenland 5056

control, insecticides 4580

morphology, antennae 2187

sheep

Australia 4580

control, insecticides 3533

ectoparasitoses 3722

effects, wool 3534

skin diseases 1325

Bovidae, *Glossina fuscipes*, Uganda 567**Bovine ephemeral fever virus**

cattle, Kenya 3906

epidemiology, reviews 727, 4886

reviews 4887

Bovine oncovirus

cattle, France 3902

vectors

Stomoxys calcitrans, transmission 3239*Tabanus*, France 3638*Tabanus fuscicostatus*

mechanical transmission 1443

transmission 1044

Brachionus urceolaris, herbicides, toxicity 825**Brachycera**

genetics, crossing over 2929

predators 2466

Brachymeria minuta, hosts, Diptera, Romania 4756**Brachymeria podagrica**, hosts, Diptera, Romania 4756**Brachypogon nipponensis**, taxonomy, new name 5983**Brachypogon remmi**, taxonomy, new name 5983**Braconidae**

host parasite relationships, evolution 1110

taxonomy, keys, USSR 2822

Braconinae, taxonomy, morphotaxonomy 610**Bradinopyga geminata**, control, Culicidae 4159**Brazil**

Chagas' disease, epidemiology 50

Culex 3582*Fidena* 5681

malaria, epidemiology 3287

Morellia nitida 5709*Musca domestica* 1452

Trogidae 4264

vector-borne diseases, control 3281

Acre, *Rhodnius robustus* 2193Amapá, *Anopheles* 151

Amazonas

Artystone minima 4864

leishmaniasis, epidemiology 3000

Ozmana haemophila 337

Scorpiones 4859

Bahia

Lutzomyia 557, 5192*Ochetomyrmex auropunctatus* 3143

plague, epidemiology 5928

Brásilia

Spinturnicidae 3188

Trombiculidae 3193

Campinas, *Dermatobia hominis* 582**Brazil** cont.

Ceará

dengue virus 1188

plague, epidemiology 5928

Espírito Santo, *Aedes albopictus* 5535, 5537Goiânia, *Aedes fluviatilis* 5594

Goiás, man, pesticide residues 842

Mato Grosso

Anopheles darlingi 4653*Simulium* 5666*Solenopsis invicta* 5277

Minas Gerais

Boophilus microplus 1957*Cimex lectularius* 5506*Pediculus capitis* 5492*Rhodnius neglectus* 5501*Triatoma sordida* 5505

Pará

Anopheles darlingi 4653*Culicoides paraensis* 4668*Lutzomyia carmelinoi* 1018

Triatominae 3541

Paraíba, plague, epidemiology 5928

Paraná

Anopheles 5604*Aralichus tiricae* 3213*Culex sacchettiae* 1388

Pernambuco, plague, epidemiology 5928

Rio de Janeiro

Dermatophagoides farinae 5396*Heliographa* 5710*Lutzomyia* 3010*Megninia ginglymura* 5878*Triatoma vitticeps* 45

Rio Grande do Sul, Ixodidae 2477

Rondônia, *Simulium guaporensis* 5205Rondônia, *Anopheles darlingi* 1421

Roraima

Asotana magnifica 4863

insects as food 4201

São Paulo

Aedes albopictus 5535, 5537*Anopheles* 5602*Aralichus tiricae* 3213*Argas miniatus* 5815*Boophilus microplus* 5827*Chrysomya megacephala* 5737*Culex loyesi* 5586*Culex sacchettiae* 1388

Culicidae 74, 5601, 5603

catalogues 5606

Dermatobia hominis 2410*Heliographa* 5710*Lutzomyia migonei* 5648

medical entomology, history 5988

Muscidae 2379

Rocio virus, epidemiology 351

Solenopsis 4778

Triatominae 5503

yellow fever virus, epidemiology 5910

Breda jovialis, man, bites, Australia 3219*Brezova virus*, vectors, *Ixodes ricinus*,

Czechoslovakia 4302

Briarosaccus callosus, morphology 2046*Brillia japonica*, water quality, biological

indicators 5261

Broadhaven virus

taxonomy

molecular genetics 2598

serotaxonomy 2588

Bromfenvinfos (2-bromo-1-(2,4-

dichlorophenyl)ethenyl diethyl

phosphate)

pesticide mixtures, toxicity, insects

1462

Bromocyclen (5-(bromomethyl)-1,2,3,4,7,7-

hexachlorobicyclo[2.2.1]hept-2-ene)

control

Sarcoptes scabiei 688*Sternostoma tracheacolum* 2019**2-Bromo-1-(2,4-dichlorophenyl)ethenyl**

phosphate, toxicity, Mallophaga 1757

Bromophos (O-(4-bromo-2,5-

dichlorophenyl) O,O-dimethyl

phosphorothioate)

resistance, *Musca domestica*, German

Democratic Republic 5700

toxicity, *Paramecium caudatum* 2762**Bromophos-ethyl** (O-(4-bromo-2,5-dichlorophenyl) O,O-diethyl phosphorothioate)

residues

sheep

decay 3396

New Zealand 4079

Bromoxynil, toxicity, *Chironomus riparius* 3090**Brontaea arcuata**, *Stomoxys calcitrans*, interspecific competition 1456**Brotheas amazonicus**, taxonomy, new species 4859**Brotogeris chrysopterus**, *Aralichus chrysopteri*, South America 3213**Brotogeris cyanoptera**, *Aralichus cyanopterae*, South America 3213**Brotogeris jugularis**, *Aralichus porrectus*, Central America 3213**Brotogeris sanctithomae**, *Aralichus*, South America 3213**Brotogeris tirica**, *Aralichus tiricae*, Brazil 3213**Brucea javanica**, chemistry, alkaloids 4001**Brucella abortus**, vectors, *Musca autumnalis*, infection 3646**Brueelia subtilis**, *Passer domesticus*, Italy 3531**Brugia**

books 5449

vectors, Culicidae, infectivity 2231

Brugia malayi

man

epidemiology 5391

Philippines 779

Thailand 3932

vectors

Aedes aegypti

antigens 510

detection 1361

refractoriness 2936

Aedes togoi, Korea Republic 2987*Anopheles*, infection 1402*Anopheles quadrimaculatus*

infection 4646

refractoriness 2314

Anopheles sinensis

China 2243, 4194, 4658

infection 514, 3573

infections 1410

Culex pipiens, China 4195

Culicidae 3555

China 1417, 2651

India 5166

infections 5176

Mansonia uniformis, susceptibility 2990**Brugia pahangi**

vectors

Aedes, susceptibility 523*Aedes aegypti*, effects, flight 153*Anopheles quadrimaculatus*

infection 4646

infections 2237

refractoriness 2314

Culicidae

infection 160, 932

infections 5176

Brugia pateri, vectors, *Anopheles**quadrimaculatus*, refractoriness 2314**Brugia timori**, man, epidemiology 5391**Brumptomyia**

taxonomy

identification, computer techniques 4103

phylogeny 3631

Bubalus bubalis (see Buffaloes)**Bubas bison**

ecology, spatial distribution 5776

faeces, Spain 4259

Bubas bubalis

cattle dung, Spain 1501

ecology, spatial distribution 5776

faeces, Spain 4259

ivermectin, effects 1501

Bubo coromandus, *Strigiphilus schamskei*,

India 4577

Bubo virginianus, *Pneumophagus bubonis*,

USA 3195

Budgerigars (*Melopsittacus undulatus*)*Knemidokoptes pilae*, Turkey 695

- Buenoa**, predators, *Gambusia affinis* 4629
Buenoa margaritacea, prey, *Culex tarsalis* 2963
Buffaloes (*Bubalus bubalis*)
Anopheles, Thailand 5150
Anopheles balabacensis, Malaysia 4186
Culicidae, Egypt 1398
Dermatobia hominis, myiasis 5748
dichlorvos, effects, blood chemistry 5010, 5431
dimethoate, toxicity 2095
Diptera
myiasis 3334
Thailand 5103
wallowing 2659
ectoparasites
India 2544, 3178-3180
Thailand 376
Ixodidae, India 3813
monocrotophos, effects, blood chemistry 5430
Muscidae, India 2392
phorate, effects, rumen flora 4511
Psoroptes equi, skin diseases 3856
rumen flora, monocrotophos, effects 3367
Sarcoptes scabiei, skin diseases 3851, 5335
Bufo houstonensis, *Solenopsis invicta*, predation 277
Buildings
arthropods, Netherlands 317
Blattella germanica, USA 5060
Coleoptera, Canada 868
house dust mites, Poland 1595
insecticides, pest control, air quality 5020
Bulgaria
Demodex canis 1152
Formicidae, checklists 1948, 2459
Sarcoptes scabiei 3847
Bulinus, predators 3712
Bunomys chrysocomus
Hoplopleura chrysocomi, Indonesia 4582
Trombiculidae, Indonesia 4325
Bunomys fratorum
Hoplopleura sembeli, Indonesia 4582
Trombiculidae, Indonesia 4325
Bunyamwera serogroup viruses
vectors
Aedes, USSR 1010
Anopheles quadrimaculatus, USA 2297
Bunyamwera virus, epidemiology, reviews 728
Bunyaviridae
molecular biology, reviews 352
serotaxonomy, reviews 4882
Bunyavirus, clones, virulence 5894
Burkina Faso
Anopheles 1825, 3601, 4156, 5619-5624
Anopheles gambiae 1793
Ceratopogonidae 5641
Culicidae 1009, 5628
Glossina 4205
malaria, epidemiology 2215, 4938
onchocerciasis, epidemiology 2652
Phlebotominae 1021
Simulium sirbanum 1440
Burma
Aedes aegypti 4159, 5576
Anopheles dirus 536
Culex 4163
Siphunculina 5764
Burundi
Anopheles 4170
Rhipicephalus 5820
Butacarb (3,5-bis(1,1-dimethylethyl)phenyl methylcarbamate)
resistance, *Lucilia cuprina*, Australia 1068
Butachlor, toxicity, aquatic invertebrates 825
Butanone, attractants, *Glossina pallidipes* 569
Buteo buteo, *Laemobothrion maximum*, Italy 3531
Buthotus judaicus, toxins, molecular genetics 5885
Buthotus tamulus
behaviour, aggregation 4366
man, envenomation 2037
toxins, biochemistry 5886
venoms, effects, laboratory animals 5345
Buthus eupeus, toxins, nuclear magnetic resonance spectroscopy 1177
Buthus martensi, venoms, biochemistry 5347
Buthus sindicus, venoms, characterization 1176
Buthus tamulus (see *Buthotus tamulus*)
man, envenomation 704
Butonate (2,2,2-trichloro-1-(dimethoxyphosphinyl)ethyl butanoate)
control, *Choriptes bovis* 1610
Butorides striatus, DDT, residues, USA 430
Butox (see Deltamethrin)
Button willow virus
mammals, USA 349
vectors, *Culicoides*, USA 5180
Butylate, toxicity, *Chironomus riparius* 3090
Bwamba virus, epidemiology, reviews 728
Bythognathia, taxonomy, new genus 341
Bythognathia yucatanensis, taxonomy, new species 341
Caboverdea lobopectera, taxonomy, nomenclature 4136
Cacaohalea, taxonomy, new genus 5983
Cacaohalea youngi, taxonomy, new species 5983
Cache Valley virus
Odocoileus hemionus, USA 3889
sheep, USA 4889
Cadavers
aquatic insects, submersion 1718
Calliphora vicina, morphine, radioimmunoassay 5735
Calliphoridae, toxicology, assays 5466
Chironomidae, submersion 1717
Chrysomya, Hawaii 1719
fenvalerate, residues, gas chromatography 3397
Cadmium
distribution, Chironomidae, X ray microprobe analysis 3721
toxicity
aquatic invertebrates 1672
Chironomus riparius 588, 3083
Caenomyiella, taxonomy, new subgenus 5579
Calathea lutea, Culicidae, Venezuela 5592
Calcarhelea, taxonomy, new genus 5983
California encephalitis virus
birds, USA 349
epidemiology, reviews 729
horses, USA 4377
Odocoileus hemionus, USA 3889
California serogroup viruses
Culicidae, USA 107
laboratory animals, pathology 2594
vectors, *Aedes*, USSR 1010
Caligus curtus
Atlantic salmon, Canada 1179
biology 1179
Caligus elongatus
Atlantic salmon
Canada 1179
Irish Republic 2038
biochemistry, proteinases 5348
biology 1179
Salmo salar, Atlantic Ocean 3878
Caligus lacustris
control, pesticides 1623
marine fishes, Baltic Sea 1623
Caligus pelamydis, *Scomber*, Atlantic Ocean 1618
Caligus sicarius
Crenimugil crenilabris, Red Sea 2560
taxonomy, new species 2560
Calilena, venoms, γ -aminobutyric acid, antagonists 2554
Callibaetis, infectious haematopoietic necrosis virus, infections 3783
Calliphora
aquarium fishes, myiasis 4229
control, USA 4224
Listeria, isolation 1217
Calliphora cont.
molecular genetics, ribosomes, RNA, nucleotide sequences 2852
predators, predation 604
Calliphora alpina
taxonomy, morphotaxonomy, eggs 1067
upland areas, UK 2394
Calliphora augur, allergens 3074
Calliphora erythrocephala (see *C. vicina*)
Calliphora hilli
parasitoids 3071
sheep, New Zealand 3071
Calliphora livida, taxonomy, larvae 3063
Calliphora loewi
taxonomy, morphotaxonomy, eggs 1067
upland areas, UK 2394
Calliphora peruviana, taxonomy, larvae 3063
Calliphora quadrimaculata
parasitoids 3071
sheep, New Zealand 3071
Taenia, transmission, ingestion 3075
Calliphora stygia
allergens 3074
control, biological control 3071
sheep, New Zealand 3071
Taenia, transmission, ingestion 3075
Calliphora subalpina, upland areas, UK 2394
Calliphora uralensis, taxonomy, morphotaxonomy, eggs 1067
Calliphora vicina
behaviour, ammonia, larvae, aggregation 4695
biochemistry
cuticle, sclerotization 882
ecdysone, biosynthesis 1894
glycosphingolipids 5241
haemocyanin 1611
serotonin, development 1891
vision 1081, 4730
biology
development 897
diapause, larvae 5242
cadavers, morphine, radioimmunoassay 5735
cattle dung, China 5718
ecology, cold resistance 4236
genetics
molecular genetics, genes, caliphorins 1893
mutants 1478
histology, nervous system 5733
immunocytochemistry, proctolin 1065
molecular genetics
enzymes, nucleotide sequences 2399
genes, amino acids, sequences 5719
morphology, wings 2142
ontogeny, nervous system 1891
physiology
circadian rhythm, photoperiod 5238
diapause 1486
flight 1477, 2143
muscles, electrophysiology 3676-3677
nervous system 1072
vision 1079, 1478, 3062, 3672-3674, 4720, 5243
taxonomy
larvae 3063
morphotaxonomy, eggs 1067
ultrastructure
antennae 4527
eyes 224
upland areas, UK 2394
Calliphora vomitoria
biochemistry, cuticle, hydrocarbons 5727
ecology, cold resistance 4236
immunocytochemistry
enkephalins 3680
neuroendocrine system 4718
immunohistochemistry, nervous system, gonotrophic cycles 5724
ivermectin, sublethal effects 1476
Metarhizium anisopliae, infection 4488
pharmacology, serotonin, salivary glands 5722
salivary glands, gene expression 222
taxonomy, morphotaxonomy, eggs 1067
upland areas, UK 2394

Calliphoridae

- Azadirachta indica*, botanical insecticides, effects, reviews 3354
cadavers, toxicology, assays 5466
carrion
Clostridium botulinum 3694
Mexico 1924
cattle housing, Yugoslavia 5409
control, insecticides 5409
distribution, Poland 1460
dogs, myiasis 579
man, maggot therapy 580
parasitoids, Romania 4756
Ulmus pumila, USA 3485
Callithrix humeralifer, Formicidae, interactions 1116

Callosylla dolabrifera

- Marmota himalayana*, China 2211
small mammals, China 2210

Callosiurus erythraeus, *Herpetacarus baojiensis*, China 2523**Calosoma externum**, prey, *Stomoxys calcitrans* 1456**Calovo virus**

- arthropods, Czechoslovakia 1634
birds, Czechoslovakia 354-355, 714

Calvolia marie

- hosts, Sphaeroceridae 4313
taxonomy, new species 4313

Camels (*Camelus bactrianus*)**Camels** (see also Dromedaries)

- Parabronema skrjabini*, USSR 2378
Sarcoptes scabiei, skin diseases 4846

Camelus bactrianus (see Camels)**Camelus dromedarius** (see Dromedaries)**Cameronieta**, taxonomy, legs, chaetotaxy 4315**Cameroon**, *Pediculus* 5493**Cameroonisca**, taxonomy, new genus 2396**Campanulotes bidentatus compar**

- pigeons
Poland 1754
Spain 5485
Yugoslavia 4574, 4578, 5082

Campanulotes compar (see *C. bidentatus compar*)**Camphechlor** (chlorinated camphenes containing 67-69% chlorine)

- residues
air, Sweden 2796
lanolin, German Democratic Republic 4078
toxicity, *Dermatophilus congolensis* 812

Camponotus, buildings, control 5274**Camponotus castaneus**, entomophilic nematodes 1654**Camponotus modoc**, prey, *Protocalliphora* 4233**Camponotus vagus**, buildings, Netherlands 317**Camptochironomus**, molecular genetics, secretions, genes 4251**Camptochironomus tentans**

- behaviour, mating behaviour 3717
cell lines, biochemistry, chitin, biosynthesis 3456
chromosomes, ecdysterone 1090
man, hypersensitivity 4243
molecular genetics
genes
nucleotide sequences 5767
secretory proteins 5760

Canada

- Agabus* 5266
aquatic insects, books 440
boreal forests, insects 5045
cattle, ectoparasites, control 4966
Chironomidae 231
Coleoptera 246
books 868
Cryptostigmata, catalogues 2006
Culicidae 2299
Cuterebra 4239
Diptera 73
Geomydoecus 2902
Hemiptera 55
Hydrophilidae 251
Lyme disease, epidemiology 1208
marshes, aquatic insects 10, 14
Odonata 281

Canada cont.

- pesticides, registration 856
Rickettsia, importation 1216
Siphonaptera 5097
water mites 310
Alberta
aquatic insects 2855
Hypoderma 2407, 5250
Musca autumnalis 4714
pesticides, poisoning 2784, 5021
Pseudomenopon pilosum 3530
British Columbia
Aedes togoi 5550
Araneae, checklists 3215
Culicoides 1428
Lyme disease, epidemiology 769
Otobius megnini 4816
Protomyobia 1591
Canadian Northwest Territories, Simuliidae 5202
Manitoba
Culex 2979
Culicidae 4620
Ixodes dammini 301
Lyme disease, epidemiology 1209
Pneumonyssoides caninum 1582
Pseudomenopon pilosum 3530
western equine encephalitis virus, epidemiology 2247
New Brunswick
aerial spraying, nontarget effects 2104-2105
Atlantic salmon, parasites 1179
Diplopoda 4373
Simulium 4682
Newfoundland
Diplopoda 4373
Great Island virus 2598
Salvelinus alpinus, parasites 4369
Simuliidae 186-188, 5658
Nova Scotia, Diplopoda 4373
Ontario
Alces alces, parasites 3185
Arrenurus 4823, 5322
Culicidae 959
Culiseta melanura 524
Geotrupes 1927
Hymenoptera 1933
Lyme disease, epidemiology 1210
Simuliidae 5202
Tabanus sackeni 1041
Prince Edward Island
Diplopoda 4373
Ixodes dammini 4309
Quebec
aerial spraying, nontarget effects 2104-2105
Argulus canadensis 3869
Diplopoda 4373
Hybomitra lasiophthalma 3042
Ixodes dammini 670
Simuliidae 3634
Tabanidae 2366
Saskatchewan
horses, snowshoe hare virus 3904
Simulium 1032, 5434
Canaries (*Serinus canaria*)
Sternostoma tracheacolum, respiratory diseases 2019
Canary Islands
Chironomidae 2421
Loboptera 5477
Megaselia abdita 238
Mesonyssus melloi 5854
Canavanine, effects, *Phormia terraenovae*, antibacterial peptides 5237
Cancer pagurus, trichlorfon, toxicity 4015
Canidae, ectoparasites, Poland 1353
Canis familiaris (see Dogs)
Cannabidol, effects, *Musca autumnalis*, electrophoretograms 4012
Cantharidin
horses, poisoning, USA 3750
poisoning
horses 4754
diagnosis 2433
Canthon imitator, *Haematobia irritans*, interspecific competition 1468
Cape Verde, *Anopheles* 5158
Capitonoecius, taxonomy, nomenclature 3401

Capra hircus (see Goats)**Capreolus capreolus**

- Borrelia burgdorferi*, British Isles 1193
Cephenemyia stimulator, Italy 5751
ectoparasites, German Federal Republic 2048

Carabidae

- caves, Venezuela 3101
urban areas, German Democratic Republic 1928

Carasobarbus, parasites, Iraq 3877**Carbamate insecticides**, sea water, analytical methods 1285**Carbamates**

- analytical methods, liquid chromatography 4081
residues, domestic animals, analytical methods 5027
resistance, Culicidae, Sri Lanka 1379
toxicity, arthropods 2759
Carbaryl (1-naphthalenyl methylcarbamate)
algae, bioassays 4020
cleaning, clothing 3988
control

- Dermacentor variabilis* 5300, 5304
ectoparasites 2717
Ixodidae 652
Mallophaga 4143
Pediculus capitis 42, 1330
Psoroptes equi 3856
Spilopsyllus cuniculi 2203
degradation, soil 2792
effects

- Barbus stigma*, digestive system 4033
Channa punctatus, acetylcholinesterase 5003
fowls, esterases 4046
goats, acetylcholinesterase 5004
mice, enzymes 4025
Rana tigrina, enzymes 2778
rodents, immune response 5964
zooplankton, population ecology 4059
formulations, analytical methods 1257
poisoning, man, USA 1690
residues, milk, heat treatment 3395
resistance

- Culex pipiens*, Egypt 4191
Culex tritaeniorhynchus, Ryukyu Archipelago 5155
sea water, analytical methods 1285
sulfenyl dicarbamate derivatives, toxicity, *Musca domestica*, mode of action 1670
toxicity

- Blattella germanica* 1318, 4558
Ctenocephalides felis 1343, 3548
Dermanyssus gallinae 2516
Dermatophilus congolensis 812
Gambusia affinis 1678
Periplaneta americana 479

Carbofuran (2,3-dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate)

- algae, bioassays 4020
degradation, soil 2792
derivatives, toxicity, mice 2738
effects
cholinesterases 426
Coturnix japonica, cholinesterase 5969
inhibition, *Musca domestica*, enzymes 3356
metabolism, goats 5008
poisoning
domestic animals 2784
man 2783
Philippines 848
residues, rice fields 850, 1284

Carbon dioxide

- attractants
Culicidae 959, 2271
Glossina 1865-1866, 1870
effects, insects 3469

Carbophos (see Malathion)**Carcharinus plumbeus**, *Alembion lobatus*, Atlantic Ocean 3868**Carcinogens**, invertebrates 3310**Carcinops pumilio**, pesticides, nontarget effects 4704

- Carcinops troglodytes**, poultry housing, South Africa 601
- Carcinus maenas**, trichlorfon, toxicity 4015
- Cardiocladius australiensis**, control, *Austrosimulium* 3030
- Carex amplifolia**, *Hybomitra*, oviposition 1040
- Carex vesicaria**, *Hybomitra*, oviposition 1040
- Caribbean**
entomology, research institutes 4518
Formicidae 2462
Ornithodoros puertoricensis 2486
- Caribbean Sea**, *Bythognathia yucatanensis* 341
- Cariblatta lutea**
control, insecticides 1319
dwellings, USA 1319
- Carnidae**, animal burrows, UK 4245
- Carnus hemapterus**, *Tyto alba*, USA 1918
- Carollia perspicillata**, Spinturnicidae, Brazil 3188
- Carp**
Argulus siamensis, India 5890
dieldrin, residues 4073
insecticides, toxicity 1263
malathion, resistance, resistance mechanisms 4048
organophosphorus insecticides
toxicity 5427
reproduction 2764
parasites
Iraq 3875-3876
Poland 4872
pesticides, effects 5963
- Carpodacus mexicanus**
Proctophyllodes, USA 4850
St. Louis encephalitis virus, USA 1186
- Carpophilus dimidiatus**
poultry housing, South Africa 601
Pseudalanoplocephala crawfordi, China 5268
- Carranca californiana**, taxonomy, new species 5738
- Carrión**
Calliphoridae
Clostridium botulinum 3694
UK 2394
USA 5734
Diptera 3687
larvae, keys 3063
Hemipyrellia ligurriensis 3688
Hermetia illucens, Costa Rica 240
insects
mercury 3743
Mexico 1924
Megaselia abdita, USA 238
Meliponinae, Peru 3767
Musca domestica, Peru 5708
Necrophorus vespilloides 3749
Nicrophorus, Switzerland 4261
Phumosia, Indonesia 5246
Rivellia quadrifasciata, USA 591
Silphidae, Japan 600
- Carrión's disease** (see also *Bartonella bacilliformis*)
- Caspian Sea**, fishes, parasites 2561
- Cassipourea guianensis**, extracts, toxicity, insects 1666
- Castor canadensis**, *Schizocarpus*, USA 3214, 4364
- Catalogues**
Apidae, larvae 1510
biological control agents 3431
Nicaragua 3332
Cryptostigmata
North America 2006
Oriental Region 3433
Culicidae, Australasia 4093-4101, 4521
Cylindrothorax 1106
Diptera
Australasia 3430
Palaeartic Region 2824, 3432
Phthiracaroida 316
Scarabaeidae, Nicaragua 2430
Trichoptera, Nicaragua 1521
- Catch basins**, *Culex*, USA 2298
- Catharsius pithecius**, mites, India 4822
- Catharsius tricornutus**
cattle dung, South Africa 3741
ecology, interspecific competition 3741
- Catharus fuscescens**, *Ixodes dammini*, USA 2478
- Catla catla**
Argulus siamensis, India 5890
endosulfan, metabolism 5968
pesticides, effects 5963
- Cats** (*Felis catus*)
Anopheles, Papua New Guinea 1811
Cheyletiella blakei, skin diseases 675
chlordan, poisoning 4060
Ctenocephalides
control, health hazards 1690
hypersensitivity 4594-4595
Ctenocephalides felis
ectoparasitoses 2212, 3549
host parasite relationships 1346
USA 3548
Cuterebra, myiasis 1487
Demodex, skin diseases 1999, 3197
Demodex cati, skin diseases 2518
diseases, books 871
ectoparasites
allergies 2015
control
acaricides 4598
insecticides 929, 5102
pesticides 2717
USA 5514
Romania 1598
skin diseases 2657, 3935
Felicola subrostratus, Uruguay 4581
fenthion, poisoning, treatment 837
insecticides, poisoning 2789
ivermectin, poisoning 1168
Ixodes dammini
Canada 4309
USA 2474
Ixodes ricinus, feeding 5288
methoprene, toxicity 2769
Notoedres cati
ectoparasitoses 1168
skin diseases 3848
Otodectes cynotis, skin diseases 4847
parasites
Europe 1181
Iraq 4597
pesticides, poisoning 2784
Phlebotomus, Egypt 3002
Sarcoptes scabiei, skin diseases 688
Siphonaptera, control 3546
skin diseases, books 1697, 4107
Spilopsyllus cuniculi, skin diseases 2203, 4155, 4599
Yersinia pestis, USA 930
- Cattle** (*Bos taurus*)
- Cattle** (see also Zebu)
Aedes durbanensis, South Africa 505
akabane virus, Arabian Peninsula 346
Amblyomma
Africa 5842-5843
South Africa 5832
Amblyomma americanum
animal behaviour, host parasite relationships 2493
attachment 3795
feeding 1543
USA 3812
Amblyomma hebraeum
liveweight gains 667
South Africa 5841, 5844
Zimbabwe 5808
Amblyomma variegatum
Antigua 1549
effects, liveweight gain 646
Guadeloupe 645
St. Kitts-Nevis 3824
Anaplasma marginale
Argentina 1200
USA 3924, 3989, 5315
Anocentor nitens, Cuba 4814
Anopheles
India 544
Kenya 5631
Nepal 136
Papua New Guinea 1811
Anopheles culicifacies, sibling species, India 76
Anopheles freeborni, USA 3558
Anopheles quadrimaculatus, control, insecticides 965
azadirachtin, feed additives 2386
- Cattle cont.**
Babesia, Tanzania 776
bluetongue virus
Mexico 2577
USA 2994, 4890
Boophilus annulatus
development 2487
USA 2494
Boophilus microplus
Argentina 1578
Australia 3790
Brazil 2477, 3152
control, immunization 3810, 4288, 4297
ectoparasitoses 3822
immune response 5314
immunity 1133
immunization 669, 1531, 2503
New Caledonia 643, 3153
Uruguay 2491
Borrelia burgdorferi
Australia 3922
UK 662
USA 4924, 4928
Borrelia coriaceae, pathology 2604
bovine ephemeral fever virus, Kenya 3906
bovine oncovirus 1443
France 3902
carbamates, residues, analytical methods 5027
chemicals, application equipment 809
Chuzan virus, Japan 1852
Cochliomyia hominivorax, myiasis 3068, 4728
Cowdria ruminantium
Mali 770
Zaire 3919
Zimbabwe 1195, 1545, 4807
Coxiella burnetii, South Africa 4922
Culex, Burma 4163
Culicidae
China 5559
Egypt 1398
India 5525
Kenya 5530
USA 5541
Culicoides, French Guiana 3621
Culicoides oxystoma, Japan 2343
Culiseta particeps, USA 2341
cypermethrin, residues 855, 4507
Cytoecetes phagocytophila
Spain 3789
UK 5384
Demodex bovis, skin diseases 1150, 1588, 2519, 4830
Dermacentor albipictus, grooming, fecundity 3169
Dermatobia hominis
Brazil 582
myiasis 2410
Dermatophilus congolensis, Antigua 650
dichlorvos, effects, blood chemistry 4051
Diptera
control, feed additives, insect growth regulators 2382
Denmark 207, 1358
German Federal Republic 206
Italy 5717
Japan 5667
myiasis 3334
sampling 5638
Sierra Leone 3035
Sweden 208
Thailand 5103
diseases, books 5033
ear tags, pesticide residues 802
ectoparasites
control
insecticides 5801
pesticides 2717
polyfluoro 1,3-diketones 3357
effects, productivity 5399
India 3178-3180
Italy 1912
liveweight gain 2514
skin diseases 5873
Spain 5459

Cattle cont.*Glossina*

- Kenya 1451
- Liberia 4687
- Mozambique 5688
- Zimbabwe 1865, 1874, 3050

Haemaphysalis longicornis, Japan 2506*Haematobia irritans*

- Belgium 212
- USA 4009, 4697, 4702, 5703

Haematopinus eurysternus, skin diseases 488

Herpesviridae, France 3905

Hyalomma anatolicum, resistance 2510*Hydrotaea irritans* 3663*Hypoderma*

- Canada 581, 2407
- myiasis 1913, 5255
- North America 5250

Hypoderma bovis

- myiasis 585
- UK 2403, 5254

Hypoderma lineatum

- control, immunization 4733
- immune response 586
- myiasis 2406, 2414

Ixodes ricinus, boluses 4305

Ixodidae

- Africa 638
- Argentina 3177
- bites, pathology 3799
- control, immunization 3787
- Ghana 4813
- India 3813, 5799
- Kenya 4298
- liveweight gain 1136, 5295
- Madagascar 1548
- resistance 642
- South Africa 290, 4808, 5806
- Turkey 5310-5311
- USSR 648, 652
- Yugoslavia 5821
- Zambia 1135, 4304

Japanese encephalitis virus, Japan 2578

methoprene, toxicity 2769

Musca, South Africa 1453*Musca conducens*

- Japan 5716
- Ryukyu Archipelago 5232

Muscidae

- Brazil 2379
- Denmark 213
- effects, milk production 3662
- German Federal Republic 214
- Hawaii 4008
- mastitis, control 3644
- Netherlands 1052
- USA 4221

odours, attractants, *Glossina pallidipes* 569*Onchocerca*, Sierra Leone 3034

Palyam serogroup viruses, South Africa 1184

Parabronema skrjabini, USSR 2378

parasites, control 3845

parasitoses, conferences 2831

Parasitus consanguineus, skin diseases 2515

pesticides

- cost benefit analysis 4966
- poisoning 2784

Phlebotominae

- India 559
- Thailand 5186

Phlebotomus, Egypt 3002*Phlebotomus argentipes*

- India 3025
- Sri Lanka 2357

Psoroptes ovis

- immune response 692
- skin diseases 2546, 3211, 5338, 5876

immunosuppression 2016

Raillietia auris, Poland 1579resistance, *Rhipicephalus appendiculatus*, salivary glands 4303*Rhipicephalus*, Yemen Arab Republic 1979*Rhipicephalus appendiculatus* resistance 639, 2496, 5813**Cattle cont.***Rhipicephalus appendiculatus* cont. resistance cont.*Theileria* 4804

- skin diseases, immunity, foot and mouth disease 4812

Rickettsia conorii, Italy 4418

Rift Valley fever virus, Sudan 5359

Sarcoptes scabiei, skin diseases 3851sebum, attractants, *Glossina* 1050*Setaria labiatopapillosa*, USSR 2650

Simuliidae, USA 2359

spraying equipment 4971

Stenotarsonemus pashini, allergies 1998*Stomoxys calcitrans*, USA 4700

sulfur, poisoning 2785

summer mastitis

Denmark 1474

epidemiology 202-205, 210

UK 201, 359

Tabanidae

Japan 5213

USSR 1861

Tabanus abactor, USA 2367*Tabanus fuscicostatus*, USA 1441

terbufos, poisoning 5021

Theileria annulata

chemoprophylaxis 4811

Egypt 2636

Theileria parva

control 775

epidemiology, information systems 5313

Kenya 3793

prophylaxis, oxytetracycline 2645

tickborne diseases

Paraguay 4471

prophylaxis, oxytetracycline 1577

tickborne encephalitis virus, Czechoslovakia 357

Trypanosoma

prophylaxis 1450

trypanotolerance 1449

vesicular stomatitis virus, Costa Rica 4376

West Nile virus, Nigeria 5372

Cattle dung

Acari, USA 2521

Aphodius

Korea Republic 5265

Spain 5777

arthropods, China 5718

attractants, *Phlebotomus papatasi* 3001*Chrysomya*, diets 1069

dung beetles

South Africa 597, 3741

Spain 1926, 4259

fauna, ivermectin, effects 1476

Haematobia irritans

ivermectin, bioassays 4789

USA 1468

Histeridae 4262

insects, Spain 1501

invertebrates, ivermectin, toxicity 5436-5437

ivermectin, degradation 5435

Mesostigmata, Iraq 4818

Musca vetustissima

Australia 219, 3058

avermectins, effects 5227

Muscidae

Australia 1061

control 2386

USA 5225

Neomyia pacifica, Japan 3659*Oniticellus intermedius*, nutrition, assays 3098*Onitis alexis*, Australia 3094*Onthophagus*, USA 4255oviposition attractants, *Culex* 5534*Pachylister caffer* 3752

Scarabaeidae, Spain 3096, 5778

Scathophaga stercoraria, UK 4701

Sphaeridiinae, Canada 251

Cattle housing*Anopheles*

China 1416

India 2981

Yugoslavia 4605

Cattle housing cont.*Anopheles arabiensis*, Madagascar 5626*Anopheles culicifacies*, India 995*Anopheles gambiae*, Mali 5625

Diptera, China 5269

Eristalis tenax, Italy 4750*Hydrotaea*, Poland 1461

insects, Yugoslavia 5409

Musca domestica

Canada 5704

Poland 2383

Muscidae, USA 1473, 3055, 5224

Phlebotominae, India 558

Pteromalidae, USA 1936

Caudosporidae, hosts, Simuliidae, Argentina 1027**Cavernicola pilosa**, Desmodontinae, America 3235**Caves**, Blattaria, Mexico 5073*Cavia cobaya* (see Guinea pigs)*Cavia porcellus* (see Guinea pigs)**Cecropin**, hybrid peptides, antimalarials 3122**Cecropins**, *Anopheles*, *Plasmodium*, development 2336**Cediopsylla**, Leporidae, USA 65**Cediopsylla simplex**, mammals, USA 5317**Cell lines**, insects, cell fusion 2151*Celosia argentea*, extracts, *Anopheles stephensi* 1838**Cemetery vases**, *Toxorhynchites theobaldi*, Mexico 962**Cemetery vases**, *Aedes*, Philippines 2293**Cenocorixa**, predators, *Gambusia affinis* 4629**Central African Republic**

arboviruses, epidemiology 5906

Semliki Forest virus, epidemiology 3561

Central America

entomology, research institutes 4518

Formicidae 2462

Triatominae 47

Central European encephalitis virus

genomes, nucleotide sequences 4378

man

Austria 3183

Yugoslavia 4379

taxonomy, nomenclature 2585

vectors, *Ixodes ricinus*, Austria 3183**Centropomis undecimalis**, temephos, toxicity 2787**Centruroides limpidus limpidus**, man, stings, Mexico 334**Centruroides limpidus tecumanus**, man, stings, Mexico 334**Centruroides nigrescens**, man, stings, Mexico 334**Centruroides sculpturatus**

man, envenomation 1174

toxins, molecular structure, crystallography 2559

Cephalobaena tetrapoda, ultrastructure, male genitalia 3234*Cephalopina titillator*, dromedaries, myiasis 584*Cephalosporiopsis*, hosts, *Aedes sierrensis*, pathogenicity 3589*Cephenemyia apicata*

monitoring, decoys 1915

Odocoileus hemionus, USA 1915*Cephenemyia jellisoni*

monitoring, decoys 1915

Odocoileus hemionus, USA 1915*Cephenemyia phobifera*, distribution, USA 3706*Cephenemyia stimulator*, *Capreolus capreolus*, Italy 5751*Ceratoculicoides havelkai*, taxonomy, new name 5983*Ceratohelea*, taxonomy, new genus 5983**Ceratophyllidae**, taxonomy, morphotaxonomy 2206*Ceratophyllum demersum*, aquatic insects, Nigeria 5044*Ceratophyllus*, Chiroptera, Poland 4151*Ceratophyllus anisus*, anatomy, proventriculus 927

- Ceratophyllus farreni**
Delichon urbica, nests, UK 62-63
 Hirundinidae, Poland 1351
- Ceratophyllus farreni farreni**, *Delichon urbica*, UK 5098
- Ceratophyllus fasciatus** (see *Nosopsyllus fasciatus*)
- Ceratophyllus fringillae**, birds, China 2209
- Ceratophyllus gallinae**
 birds, UK 5099
Delichon urbica, UK 5098
 Hirundinidae, Poland 1351
 Parus, UK 5098
- Ceratophyllus garei**, small mammals, Czechoslovakia 66
- Ceratophyllus hirundinis**
Delichon urbica
 nests
 Czechoslovakia 5515
 UK 62
 UK 5098
 Hirundinidae, Poland 1351
- Ceratophyllus hirundinus**, *Delichon urbica*, nests, UK 63
- Ceratophyllus idius**
 physiology, cold resistance 1778
Progne subis, USA 1778
- Ceratophyllus rusticus**
Delichon urbica
 nests, UK 62-63
 UK 5098
- Ceratophyllus styx**
Riparia riparia
 Poland 2207
 UK 5098
- Ceratophyllus tesquorum** (see *Citellophilus tesquorum*)
- Ceratophyllus vagabundus insularis**, Laridae, nests, UK 5099
- Ceratopogon**
 taxonomy 554
 synonyms 5983
- Ceratopogon albitalis**, taxonomy, nomenclature 5983
- Ceratopogon falcata**, taxonomy, nomenclature 5983
- Ceratopogon gracilipes**, taxonomy, nomenclature 5983
- Ceratopogonidae**
 diflubenzuron, effects 5019
 ecology
 emergence 1710
 USA 179
 marshes, Canada 73
 morphology, female genitalia 554
 sampling 5638
- Ceratopogonini**, taxonomy, revision 5983
- Ceratozetes**, *Moniezia expansa*, Argentina 684
- Cercopithifilaria johnstoni**, vectors, *Ixodes trichosuri*, transmission 2471
- Cercopithifilaria roussilhoni**, vectors, *Rhipicephalus sanguineus*, infections 2472
- Cercyon praetextus**, prey, *Stomoxys calcitrans* 1456
- Cercyon quiquillus**, poultry housing, South Africa 601
- Ceriodaphnia dubia**
 bioassays, sex differences 421
 copper, toxicity 4990
- Ceroptera longicauda**
Mycotrupes gaigei, kleptoparasitism 3080
 taxonomy, new species 3080
- Ceroptera sivinskii**, distribution, USA 3080
- Cervus dama**, *Borrelia burgdorferi*, British Isles 1193
- Cervus elaphus**
 Erve virus, France 2593
Haemaphysalis longicornis, New Zealand 2492
- Cesspits**
 Diptera, South Africa 4609
 insects, South Africa 4608
- Cesspools**, Diptera, Poland 1465
- Cestoda**, intermediate hosts, invertebrates, USSR 2649
- Cestrum anagyris**, extracts, *Culex quinquefasciatus* 5609
- Cestrum fasciculatum**, extracts, *Culex quinquefasciatus* 5609
- Cestrum lanatum**, extracts, *Culex quinquefasciatus* 5609
- Cestrum nocturnum**, extracts, *Culex quinquefasciatus* 5609
- Cestrum roseum**, extracts, *Culex quinquefasciatus* 5609
- Cestrum thyrsoides**, extracts, *Culex quinquefasciatus* 5609
- CGA-112913 (see Chlorfluazuron)
- CGA-72662 (see Cyromazine)
- Chad**
 anthrax, epidemiology 2629
 trachoma, epidemiology 4908
- Chaenoccephalus aceratus**, *Eubrachiella gaini*, Antarctic Ocean 2047
- Chaenodraco wilsoni**, *Eubrachiella gaini*, Antarctic Ocean 2047
- Chaetopsylla globiceps**, small mammals, Czechoslovakia 66
- Chaetopsylla lotoris**, mammals, USA 5317
- Chaetopsylla trichosa**, distribution, Italy 5521
- Chagas' disease** (see also *Trypanosoma cruzi*)
- Chagasia**, taxonomy, keys, Central America 4617
- Chalcididae**, cattle dung, China 5718
- Chalcidoidea**
 books, Australasia 4266
 taxonomy, keys, New Zealand 3429
- Chalybion californicum**, prey, Araneae 701
- Champocephalus gunnari**, *Eubrachiella gaini*, Antarctic Ocean 2047
- Chandlerella quiscali**, vectors, *Culicoides crepuscularis*, USA 3615
- Channa marulius**, *Lernaea*, India 5891
- Channa orientalis**, parathion-methyl, effects, enzymes 3370
- Channa punctatus**
 insecticides, effects, acetylcholinesterase 5003
 malathion, toxicity 1262
 monocrotophos, effects, carbohydrate metabolism 5971
- Channa striatus**, *Channaculina neculata*, India 3870
- Channaculina**, taxonomy, new genus 3870
- Channaculina neculata**
Channa striatus, India 3870
 taxonomy, new species 3870
- Channaculinae**, taxonomy, new subfamily 3870
- Chaoboridae**, copper, toxicity 4990
- Chaoborus**
Daphnia, predation 3082
 insects as food, man, Uganda 471
- Chaoborus americanus**, ecology, predation, community ecology 3719
- Chaoborus brasiliensis**, ecology, bioenergetics 587
- Chaoborus crystallinus**, *Tolypocladium cylindrosporum*, pathogenicity 1652
- Chaoborus flavicans**
 behaviour, mating behaviour 3717
 ecology
 emergence 1494
 vertical migration 1493
 mites 1494
 parasitism 314
- Chaoborus trivittatus**, *Tolypocladium cylindrosporum*, pathogenicity 1652
- Charadrius dubius**, *Ceratophyllus fringillae*, China 2209
- Charletonia singularis**, *Mustela erminea*, Poland 673
- Checklists**
 Acroceridae, Palaearctic Region 590
 Agabus, North America 5266
 Araneae, Canada 3215
 Athericidae, Palaearctic Region 3044
 Blattaria, North America 918
 Coleoptera, USA 255
 Cryptostigmata, Saudi Arabia 1156
 dung beetles, Thailand 4253
 Formicidae
 Balkans 1948, 2459
- Checklists cont.**
 Formicidae cont.
 Saudi Arabia 3774
 USA 275
- Heteroptera**
 British Isles 56
 Yugoslavia 2190
- Megaselia**, UK 3422
- Orthopterodea**, Yugoslavia 904
- Simuliidae**, USA 1436
- Sphaeroceridae**, Sweden 2427
- Tabanidae**
 Palaearctic Region 3045
 Saudi Arabia 1444
- Cheiracanthium**, man, envenomation, treatment 1612
- Cheiracanthium inclusum**, distribution, Mexico 699
- Chelocnetha angustitarsis** (see *Simulium angustitarse*)
- Chemosterilants**, control, *Culicidae* 4498
- Chenopodium ambrosioides**, extracts, botanical insecticides 4983
- Chenuda serogroup viruses**, taxonomy, classification 4398
- Chenuda virus**
 taxonomy
 chemotaxonomy 2591
 serotaxonomy 2588
- Cheumatopsyche brevilineata**, pesticides, nontarget effects 826
- Cheyletidae**
 control, environmental management 323
 dwellings, Japan 323
- Cheyletiella**
 cats
 allergies 2015
 skin diseases 3935
 dogs, skin diseases 3836, 4827-4829, 4831, 5400
- Cheyletiella blakei**, cats, skin diseases 675
- Cheyletiella parasitivorax**
 morphology, abnormalities 1585
 rabbits, Thailand 3212
- Cheyletiella yasguri**
 dogs, skin diseases 675, 1583
 man, ectoparasitoses 3497
- Cheyletus**
 grain stores, UK 1158
 house dust
 Hawaii 3199
 India 5328
 man, allergies 5328
- Cheyletus eruditus**
 prey
Ctenocephalides felis 502
Lepidoglyphus destructor 502
- Cheyletus malaccensis**, acaricides, toxicity 1153
- Chickens** (see Fowls)
- Chikungunya virus**
Cimex hemipterus, cell lines, infection 54
 epidemiology, reviews 730
 India, oligonucleotide fingerprinting 5356
 man
 Australia 4881
 reviews 4389
 Uganda 2050
 pigs, India 347
 vectors, *Aedes*, infections 1376-1377
- Chilamblyopinus**
 evolution, phylogeny 1503
 taxonomy, new genus 1503
- Chilamblyopinus piceus**
Rhyncholestes raphanurus, Chile 1503
 taxonomy, new species 1503
- Chile**
 agricultural entomology, books 3414
Akodonacarus martini 3194
Chilamblyopinus piceus 1503
Gigantodax 3635
 horses, parasites 3697
 insects, type specimens 4526
Lyttomeloe saulcyi 1504
 malaria, control 2242
 pets, zoonoses 370
 Siphonaptera, mites 4363
Strigiphilus 4577

Chile cont.

Trogidae 4264

Chilopoda

distribution, Oman 5892

taxonomy

keys

Canada 3232

South America 4877

Chimaeropsyllidae, taxonomy, morphotaxonomy 2206**China***Aedes albopictus* 145*Anopheles lesteri* 1808*Fucellia* 5692*Hypoderma lineatum* 3703*Leishmania* 4676

malaria, epidemiology 4451

Phlebotominae 1019

plague, epidemiology 4903

Siphonaptera 1347

Anhui, malaria, control 4450

Fujian

filariasis, epidemiology 2651

malaria, epidemiology 1415

Gansu

Muscidae 5691

Siphonaptera 2210

Guangdong

Anopheles 1412, 4156*Anopheles dirus* 143

Guangxi

Aedes aegypti 4159*Herpetacarus baojiensis* 2523

malaria, control 1360, 4193

Guizhou

Anopheles 4192*Culex quinquefasciatus* 2224

Culicidae 5559

Hainan

Anopheles 4156

malaria, epidemiology 4449

Heilongjiang, Lyme disease, epidemiology 3807

Henan

Anopheles lesteri 1413

malaria, epidemiology 2220

Hubei, *Anopheles sinensis* 4194

Hunan

Culicidae 5144

Leptotrombidium jishoum 5857Jiangsu, *Anopheles* 4156

Jilin

Lyme disease, epidemiology 3807

Siphonaptera 2210

Liaoning, *Phaonia* 221

Qinghai

Ceratophyllus fringillae 2209

Siphonaptera 2210-2211

Shaanxi, *Phaonia punctinerva* 2391

Shandong

Anopheles sinensis 1806*Culex pipiens* 533

filariasis, epidemiology 4195

malaria, control 4447

Shanxi

cattle dung, arthropods 5718

Spalangia endius 5269Shenzhen, *Anopheles* 4156

Sichuan

Anopheles 4156

Culicidae 1417

Xinjiang

Aedes longifilamentus 5556*Aphodius montisjaldi* 4256*Mesopsylla sagitta* 5513

Yunnan

Alphavirus, epidemiology 529*Anopheles kunmingensis* 1416, 2941

Culicidae 148

malaria

control 4448

epidemiology 4656

Zhejiang

Anopheles sinensis 4658

filariasis, epidemiology 2243

Leptotrombidium gaohuense 4824*Chinius*, taxonomy, taxonomic status 3631*Chinius junlianensis*, biology 1019*Chionodracon rastrospinosus*, *Eubrachiella gaini*, Antarctic Ocean 2047*Chironitis hungaricus*, ecology, spatial distribution 5776**Chironomidae**

aquatic plants, UK 595

behaviour, mating behaviour 1099-1100

biological indicators, water quality

3087

cadavers, submersion 1717-1718

Canary Islands 2421

copper, toxicity 4990

DDT, residues, USA 5016

diflubenzuron, effects 5019

distribution, France 1497

ecology

acidification

biological indicators 1308

effects 1307

biomass 3084

community ecology 2858

emergence 1494, 1710

invertebrate drift 465, 1304

population ecology 2150

streams, invertebrate drift 9

substrates, colonization 2855

water pollution 1305

entomogenous fungi 2702

forests, USA 3486

genetics, karyotypes 2419

insects as food, man, Uganda 471

larvae, invertebrate drift 4748

marshes, Canada 231

metals, distribution, X ray microprobe

analysis 3721

methoxychlor, nontarget effects 3379

mites 4823

permethrin, effects 2105

pollutants, assays 3361

predators 2968

fishes, predation 3483

predation 3603

rivers

New Zealand 1306

Poland 1305

taxonomy

keys 232

nomenclature 2421

Chironomus

allergens, Crustacea, cross reactivity

1098

chromosomes, genes, haemoglobin 237

ecology, thermal effluent, effects 1495

man, hypersensitivity 1098

predators 2466

UK 5267

Chironomus aberratus, taxonomy, cytotoxicity 243**Chironomus anthracinus**

physiology, respiration 3086

Salmo trutta, predation 3489**Chironomus crassicaudatus**

ecology, feeding behaviour 4744

growth regulators, toxicity 120

lakes, USA 4744

Chironomus decorus, growth regulators, efficacy 1086*Chironomus duplex*, allergens 3074**Chironomus kiiensis**

ecology, seasonal abundance 3714

lakes, Japan 1089

rice fields, Japan 3714

Chironomus pallidivittatus, salivary glands, polypeptides, electrophoresis 234**Chironomus plumosus**

feeding behaviour, microorganisms

4747

lakes, Sweden 4747

man, hypersensitivity 2423

physiology, respiration 3086

Salmo trutta, predation 3489

taxonomy, chemotaxonomy 5755

Chironomus riparius

biochemistry

anaerobic metabolism 1383

salivary glands, protein synthesis

1093

cadmium, toxicity 588, 3083

DNA, nucleotide sequences 594

genetics, genes, sequences 233

herbicides, toxicity 3090

Chironomus riparius cont.

methoprene, effects, polytene chromo-

somes, puffing 4240

molecular genetics

puffing, Balbiani rings 4737

ribonucleoproteins, polytene chro-

mosomes 4736

secretions, genes 4251

transposable elements 5759

morphology, legs, sense organs 1498

salivary glands

cells, damage 2418

polypeptides, electrophoresis 234

Chironomus riparius piger

biochemistry, haemoglobins 5771

genetics

hybridization, gonadal dysgenesis

1097

molecular genetics, histones 1922

haemoglobin, genes, nucleotide

sequences 1092

physiology, respiration 3086

Chironomus riparius riparius

biochemistry, haemoglobins 5771

genetics

enzymes, genetic polymorphism

2422

hybridization, gonadal dysgenesis

1097

molecular genetics, histones 1922

physiology, respiration 3086

Chironomus stigmaterus, growth regula-

tors, efficacy 1086

Chironomus tentans (see *Camptochironomus tentans*)

salivary glands

polypeptides

electrophoresis 234

genes 235

ultrastructure, Malpighian tubules 241

Chironomus thummi (see *C. riparius*)**Chironomus thummi piger** (see *C. riparius piger*)**Chironomus venustus**, *Salmo trutta*, predation 3489**Chironomus yoshimatsui**

allergens, cross reactivity 5259

pesticides, nontarget effects 826

rivers, Japan 244

sewage effluent, Japan 245

Chiropetella insollii, distribution, Philip-

pines 2004

Chiropetella muscae, Vespertilionidae,

Poland 678

Chiroptera

organochlorine pesticides, toxicity 1265

Siphonaptera, Poland 4151

Chiropterymyza wegelii, *Nyctalus noctula*,

guano, Switzerland 5522

Chitin synthesis inhibitors, chemistry,

research 5415

Chlamydia trachomatis

man

Algeria 4909-4910, 5378

Chad 4908

diagnosis 4430

Ethiopia 4911, 5925

eye diseases 360

India 4361

Israel 1201, 4915

Mexico 5382

Nigeria 2628

pathogenesis 4912

reviews, water supply 3918

social behaviour, reviews 3911

Tanzania 2055, 3916

trachoma, grading 4916

Tunisia 4913

Yugoslavia 4914

Chlamydomonas reinhardtii

insecticides, effects 2093

organophosphorus insecticides, effects,

growth 3363

Chloebia gouldie, *Sternostoma**tracheacolum*, respiratory diseases

2019

Chloephaga hybrida, *Ceratophyllus gal-*

linae, UK 5099

Chlordane (1,2,4,5,6,7,8,8-octachloro-

2,3,3a,4,7,7a-hexahydro-4,7-methano-

1H-indene)

- Chlordane** *cont.*
 dwellings, USA 2807
 pest control, buildings, air quality 5020
 poisoning
 domestic animals 2784
 pets 4060
 residues
 air, Sweden 2796
 human milk, Finland 1691
 man
 Costa Rica 5441
 USA 4067
 milk, analytical methods 4082
 toxicity
 Blattella germanica 25
 Ctenocephalides felis 1343
- Chlordecone** (1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-1,3,4-metheno-2*H*-cyclobuta[*cd*]pentalen-2-one)
 effects
 rats
 adenosinetriphosphatase 2096
 liver 4030
- Chlordimeform** (*N'*-(4-chloro-2-methylphenyl)-*N,N*-dimethylmethanimidamide)
 toxicity, rats, temperature 4997
- Chlorella vulgaris**, insecticides, bioassays 4020
- Chlorfenvinphos** (2-chloro-1-(2,4-dichlorophenyl)ethenyl diethyl phosphate)
 control
 Haematobia irritans 4009
 Rhipicephalus appendiculatus 3793
 poisoning
 man 1276
 USA 1690
 residues
 milk, analytical methods 4513
 sheep
 decay 3396
 New Zealand 4079
 resistance, *Boophilus microplus* 3153
 sheep, wound treatment 3695
 toxicity
 Boophilus microplus 644
 Ctenocephalides felis 3548
 Dermatophilus congolensis 812
- Chlorfluazuron** (*N*-[[[3,5-dichloro-4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-amino]carbonyl]-2,6-difluorobenzamide)
 chemistry, synthesis 1250
 effects, *Blattella germanica*, reproduction 1746
 efficacy, *Blattella germanica* 4559
 formulations, aerial spraying, droplet studies 2078
 mode of action 3998
 toxicity
 Blattella germanica, eggs 5061
 Dermanyssus gallinae 2516
- Chloriridovirus**, hosts, *Aedes sollicitans*, USA 2309
- Chlormephos** (*S*-(chloromethyl) *O,O*-diethyl phosphorodithioate)
 chemistry, photolysis 2113
 mutagenicity, *Drosophila melanogaster* 5958
- Chlornitrofen**, toxicity, aquatic invertebrates 825
- Chloroform**, control, Mallophaga 4143
- Chlorophos** (see Trichlorfon)
- Chloroprocta idioides**, carrion, Peru 3767
- Chlorphoxim** (7-(2-chlorophenyl)-4-ethoxy-3,5-dioxo-6-aza-4-phosphaoct-6-ene-8-nitrile 4-sulfide)
 resistance
 Anopheles, Sri Lanka 2945
 Simulium, resistance mechanisms 3031
- Chlorpyrifos** (*O,O*-diethyl *O*-(3,5,6-trichloro-2-pyridinyl) phosphorothioate)
 contamination, milk, treatment 2106
 control
 Amblyomma americanum 5291
 Amblyomma hebraeum 5844
 Anopheles 1006
- Chlorpyrifos** *cont.*
 control *cont.*
 Blattella germanica 25, 2183
 Blattidae 1319
 Culicidae 117
 Dermacentor variabilis 5300
 Ixodidae 1573
 degradation, water 2804
 dwellings, USA 2807
 effects
 Blattella germanica, reproduction 1746
 goats, blood chemistry 4055
 Tilapia mossambica, nervous system 4508
 evapotranspiration, soil 5026
 exposure
 man 5979
 USA 1274
 formulations, pesticide metal complexes, controlled release 5417
 interactions, soil flora 1686
 metabolism, rats 5000
 poisoning
 man 1276
 treatment 2103
 USA 1690
 residues
 contamination, protective clothing 805
 lanolin 1692
 resistance
 Blattella germanica 4137
 Culex, assays 4176
 Culex pipiens, Japan 5152
 Culex quinquefasciatus 2973
 resistance mechanisms 2976
 Culex tarsalis, USA 119
 susceptibility
 Aedes albopictus 5537
 Anopheles gambiae 5623
 Culicidae 5546
 Comoros 5632
 toxicity
 Aedes aegypti, assays 1380
 Blattella 5071
 Blattella germanica 5476
 Boophilus microplus, eggs 4301
 Ctenocephalides felis 1343, 3548
 Dermanyssus gallinae 2516
 fishes 5427
- Chlorpyrifos-methyl** (*O,O*-dimethyl *O*-(3,5,6-trichloro-2-pyridinyl) phosphorothioate)
 effects, goats, blood chemistry 4055
 metabolism, rats 5000
 resistance, *Culex pipiens*, Japan 5152
 sublethal effects, *Blattella germanica*, reproduction 4563
- Chonopeltis brevis**, *Chrysichthys nigrodigitatus*, Nigeria 2562
- Chorioptes**, goats, Indonesia 4845
- Chorioptes bovis**
 biochemistry, proteins 5747
Bison bonasus, skin diseases 1169
 control, acaricides 1608, 1610
 horses
 Poland 1608
 skin diseases 1610
 livestock, ectoparasitoses, epidemiology 4848
- Chorioptes equi** (see *C. bovis*)
- Chromium**, toxicity, aquatic invertebrates 4993
- Chrysanthemic acid** (2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropane-carboxylic acid)
 derivatives, chemistry, synthesis 4504
 esters
 knockdown, *Musca domestica* 5715
 structure activity relationships 5715
 stereoisomers, chemistry, synthesis 4980
- Chrysichthys nigrodigitatus**, parasites, Nigeria 2562
- Chrysomya**, cesspits, South Africa 4608-4609
- Chrysomya albiceps**, livestock, myiasis 5732
- Chrysomya bezziana**
 buffaloes, Thailand 376
- Chrysomya bezziana** *cont.*
 cattle, myiasis 667
 geographical distribution, models 1066
 international transport, Australia 4234
 livestock, Australia 4725
 man, myiasis 1483
- Chrysomya chani**, distribution, Bangladesh 5730
- Chrysomya chloropyga putoria** (see *C. putoria*)
- Chrysomya megacephala**
 cadavers, Hawaii 1719
 cattle dung, China 5718
 distribution, Bangladesh 5730
 ecology, larvae, development 4642
 latrines, control, reviews 4967
 Nematoda, Malaysia 3072
 parasitoids 5269
 rearing techniques, diets 1069
 reproduction, ovarian development 1069, 5737
- Chrysomya pinguis**, distribution, Bangladesh 5730
- Chrysomya putoria**
 latrines, control, reviews 4967
 rearing techniques, diets 1069
 reproduction
 diet 5736
 oogenesis 5741
 ovarian development 1069
 taxonomy, larvae 3063
- Chrysomya rufifacies**
 allergens 3074
 cadavers, Hawaii 1719
 control, biological control 3071
 distribution, Bangladesh 5730
 ecology, larvae, development 4642
 Nematoda, Malaysia 3072
 sheep, New Zealand 3071
 taxonomy, larvae 3063
- Chrysops**
 aquatic plants, Nigeria 5044
 attractants 2271
 behaviour, feeding behaviour 1861
 cattle, USSR 1861
 distribution, Turkey 2368
 equine infectious anaemia virus, mechanical transmission 1632
 horses, USA 893
 water reservoirs, USSR 1849
- Chrysops caecutiens**, entomophilic nematodes 3969
- Chrysops caecutiens caecutiens**, ultrastructure, sensilla, chemoreceptors 5212
- Chrysops dimidiata**
 behaviour, feeding behaviour 1043
 hosts, Congo 1043
Loa loa, Congo 5210
 man, Congo 5210
- Chrysops dispar**, livestock, Thailand 5103
- Chrysops distinctipennis**, grasslands, Nigeria 1042
- Chrysops longicornis**, Nigeria 1042
- Chrysops pictus**, entomophilic nematodes 3969
- Chrysops sauis**, distribution, Japan 5670
- Chrysops silacea**
 behaviour, feeding behaviour 1043
 hosts, Congo 1043
Loa loa, Congo 5210
 man, Congo 5210
- Chrysops silaceus**, Nigeria 1042
- Chrysops suavis**
 cattle, Japan 5213
 ecology, seasonal abundance 5213
 forests, Japan 5686
- Chrysops tristis**, distribution, Surinam 72
- Chrysops vanderwulpi kitaensis**, distribution, Japan 5670
- Chrysops viduatus**, distribution, Portugal 5680
- Chrysosporium pannorum**, hosts, Acari 2705
- Chuzan virus**
 taxonomy, new species 1852
 vectors, *Culicoides oxystoma*, Japan 1852
- Chyromyidae**, animal burrows, UK 4245
- Cimex adjunctus**, Chiroptera, USA 5516
- Cimex flavifuscus**, *Scotophilus heathii*, China 3542

Cimex hemipterus

- cell lines, culture techniques 54
- Cimex lectularius*, hybridization 924
- control, bed nets 991
- dwellings
 - Gambia 991
 - South Africa 924
- human immunodeficiency virus, transmission 5095
- Trypanosoma scotophili*, infections 3542

Cimex lectularius

- antibacterial agents 496
- biochemistry, scent glands, secretions 496
- Cimex hemipterus*, hybridization 924
- control, insecticides 1775
- dwellings, South Africa 924
- human immunodeficiency virus, mechanical transmission 497
- insecticides, toxicity 2759
- poultry housing, USSR 1775
- rabbits, bites, papillomas 3543
- reproduction, fecundity 5506

Cimicidae, genetics, chromosomes, evolution 4144**Cirrhinus mrigala**

- Argulus siamensis*, India 5890
- pesticides, effects 5963

Cismethrin ((1*R*-*cis*)-[5-(phenylmethyl)-3-furanyl]methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropane-carboxylate)

- structure activity relationships, *Musca domestica* 1887

Citellophilus tesquorum

- bacteria, phagocytosis 1783
- behaviour, feeding behaviour, haematophagy 1782
- cytology, haemocytes 1783
- Microspora 1783

Citellus dauricus (see *Spermophilus dauricus*)**Citellus musicus** (see *Spermophilus musicus*)**Citellus pygmaeus** (see *Spermophilus pygmaeus*)**Citellus undulatus** (see *Spermophilus undulatus*)**Citrobacter freundii**, Silphidae, isolation 1502**Citronella**, repellents, insects 2752**Citrus groves**, *Aedes taeniorhynchus*, USA 90**Cladocera**

- diflubenzuron, effects 5019
- rice fields, predator prey relations 931

Cladosporium, *Aedes*, USSR 161**Clarias fuscus**, control, Culicidae 4159**Clavellisa scombri**, *Scomber*, Atlantic Ocean 1618**Clerada apicicornis**, prey, Triatominae 48**Cleridae**

- distribution, Saudi Arabia 2432
- prey, *Protocalliphora* 4233

Clerodanes, chemistry, synthesis 3350**Clethrionomys glareolus**

- Dermanyssus hirundinis*, Poland 1995
- ectoparasites, Poland 673
- Erythraeus regalis*, Poland 679
- Haemogamasus bregetovae*, Poland 1590

Ixodes ricinus

- Berlin 4802
- feeding 5288
- Ixodidae, Czechoslovakia 1569
- Mesostigmata, Czechoslovakia 305, 307
- Siphonaptera, Czechoslovakia 66
- tickborne encephalitis virus, Czechoslovakia 293, 358

Clinotrombium metae, taxonomy, new combination 2024**Clitocybe inversa**, clitocine, nucleosides 409**Closantel** (*N*-[5-chloro-4-[(4-chlorophenyl)cyanomethyl]-2-methylphenyl]-2-hydroxy-3,5-diiodobenzamide)

- control
 - Boophilus microplus* 3152
 - Melophagus ovinus* 4252
 - Oestrus ovis* 5253

Clostridium, Silphidae, isolation 1502**Clostridium botulinum**, waterfowl, Austria 3694**Clothing**

- chemicals, permeability, screening 1246
- gloves
 - chemicals, penetration 2730
 - permeability 4968
- impregnated fabrics
 - diethyltoluamide 803
- insect repellents 75, 1405, 4497
- permethrin 968
 - Aedes* 2262
 - Culicidae 2933
 - weathering 5119
- insect repellents, screening 967
- parathion-methyl, residues, laundering 4970
- permethrin, absorption 2724
- pesticide residues, contamination 805
- pesticides
 - cleaning 806, 3988
 - penetration 2080, 3986
 - resistance to penetration 404

Clotrimazole, effects, *Neobellieria bullata*, development 5245**CME-13406** (see Teflubenzuron)**Cnephia ornithophila**

- behaviour, feeding behaviour 186
- ecology, nutrition 188

Cnesia dissimilis, Microspora, Argentina 1027**Cnetha keiseri** (see *Simulium keiseri*)**Cnetha latipes** (see *Simulium latipes*)**Cnetha verna** (see *Simulium vernum*)**Cocaine**, effects, *Boettcherisca peregrina*, development 1907**Cochliomyia**, *Sigmodon hispidus*, USA 41**Cochliomyia hominivorax**

- behaviour
 - mating behaviour 5234
 - oviposition 3670, 3690
- biochemistry, cuticle, hydrocarbons 3064
- cattle, myiasis 3068
- control, sterile insect release, Libya 4232
- distribution, Libya 3068, 5249
- dogs, myiasis 3669
- ecology
 - dispersal 3073, 4721
 - pupae, survival 3692
- forests, Central America 3073
- gamma radiation, effects, development 1485
- genetics, mutants, linkage 3693
- hosts, attractants 3690
- livestock, myiasis 4728, 5732
- man, myiasis, Libya 1082
- molecular genetics, mitochondria, DNA 3065
- power lines, Mexico 4721
- sentinel animals, surveillance 1485
- sheep
 - Belize 5234
 - myiasis 3670
- taxonomy, larvae, chaetotaxy 4728
- techniques, age determination 5240

Cochliomyia macellaria, taxonomy, larvae 3063**Cocoa plantations**, *Ochetomyrmex*

- auripunctatus*, Brazil 3143

Cod, *Lernaeocera branchialis*, host parasite relationships 2045**Codeine**, effects, *Musca autumnalis*, electrophoretograms 4012**Coelomomyces**, hosts, *Anopheles gambiae* 1009**Coelomomyces indicus**, hosts, *Anopheles* 996**Coelopa frigida**, genetics, population genetics 1920**Coenosia ghilarovi**, taxonomy, new species 2384**Coffee plantations**

- Culicidae, Guinea 2324
- Lutzomyia*, Bolivia 5194

Coleoptera

- Australia, books 859
- biology, books 4089
- Canada, books 868

Coleoptera cont.

- collection, bibliographies 1923
- dwellings, German Democratic Republic 2435
- man, allergies, reviews 3306
- Meles meles*, animal burrows, Europe 467
- physiology
 - flight 3093
 - vision, pigments 3092
- taxonomy, types, Chile 4526
- techniques, collection 1500
- Turkey, books 4090

Colicus spinosus

- Marmosa agilis*, Brazil 3193
- taxonomy, new species 3193

Colidotea rostrata, *Strongylocentrotus*, commensals 340**Colinus virginianus**, organophosphate insecticides, teratogenesis 4028**Collembola**

- dwellings, German Democratic Republic 2435
- entomophilic nematodes 3972
- sheep dung, France 3725

Colobaea bifasciella, distribution, Czechoslovakia 5758**Colobaea pectoralis**, distribution, Czechoslovakia 5758**Colocasia esculenta**, Culicidae, Venezuela 5592**Colocoris norvegicus**, man, bites 3305**Colombia**

- Anopheles* 964, 2978, 3580
- Anopheles albimanus* 2960
- Anopheles darlingi* 4622
- Aralichus porrectus* 3213
- Babesia*, epidemiology 4287
- Culex* 3583
- Dermatobia hominis* 2410
- Gigantodax* 3635
- leishmaniasis, epidemiology 4673
- Lutzomyia* 1018, 3003, 5199
- museums, entomology, collections 4109
- Simulium metallicum* 3633, 5203
- Strigiphilus* 4577
- Tityus engelkei* 5888

Colorado tick fever virus, epidemiology, reviews 731**Colpocephalum holzentali**

- Micrastur ruficollis*, Peru 2899
- taxonomy, new species 2899

Columba livia (see also Pigeons)**Columbicola columbae**, pigeons, Yugoslavia 4574, 4578, 5082**Columbicola columbae columbae**

- morphology, preservation 1753
- pigeons
 - Poland 1754
 - Spain 5485

Colymbetes fuscus, ponds, UK 5267**Commelina**, aquatic insects, Nigeria 5044**Commiphora erythraea**, extracts, Ixodidae 3816**Comoros**

- Aedes aegypti* 3608
- Anopheles gambiae* 1387, 5635
- Culicidae 5632-5634

Compactin, effects, *Blattella germanica*, juvenile hormones, biosynthesis 3520**Compass** (see Diazinon)**Conessine**, effects, insects 3360**Conferences**

- 3rd International Congress on Malaria and Babesiosis 4522
- Actes des Colloques Insectes Sociaux 2122
- Annual Meeting of the Brazilian Society of Protozoology 3434-3435
- Annual Meeting on Basic Research in Chagas' Disease 3436-3437
- Britain since Silent Spring 2793, 2795, 2812, 2833
- Ciba Symposium on Filariasis 5449
- Parasitoses of Grazing Animals 2831
- Proceedings of the Entomological Congress of the Entomological Society of Southern Africa 2832
- Progress and Prospects in Insect Control 4, 16, 377, 396, 401-403, 405-406, 412-418

Conferences cont.

- Progress and prospects in insect control 4110
- Progress in Treatment and Control of Parasitic Zoonoses 2836
- Recent advances in the chemistry of insect control 3438
- Recent Developments in Pesticide Toxicology and Registration 856
- Regulation of insect reproduction 4112
- Seminar of the Czechoslovak State Dipterological Society 2834
- Symposium on *Bacillus thuringiensis* 4111
- Symposium on Cell Biology of Tick/Host Interaction and Disease Transmission 1527-1535
- Symposium on Medical and Veterinary Acaroenotomology 1314, 1318, 1331, 1340, 1349-1353, 1425-1426, 1437, 1460-1467, 1488, 1522-1525, 1553-1560, 1579-1580, 1587-1589, 1593-1595, 1604, 1608, 1617-1623, 1625, 1634, 1655-1656, 1699
- Symposium on Molecular Entomology 2126, 2135, 2714
- Symposium on the role of vector-host interactions in disease transmission 444
- Workshop on modelling sleeping sickness epidemiology and control 4523
- Workshop on Research Priorities, ARS National Biological Control Program 2835

Congo

- Anopheles* 513
- Anopheles gambiae* 1387, 2334
- Chrysops* 1043, 5210
- Culicoides* 5642
- Glossina* 1047, 4205
- Glossina palpalis* 5220
- Phlebotominae 3024
- trypanosomiasis control 1051
- epidemiology 1046
- Congohelea*, taxonomy, new genus 5983
- Conicera*, ecology, phenology 5769
- Conidiobolus apiculatus*, conidia, assays, spectrophotometry 2704
- Conidiobolus chlapowskii* hosts, Acari 2705
- taxonomy, new species 2705
- Conidiobolus coronatus*, hosts, arthropods, Italy 4955
- Conidiobolus obscurus* biochemistry, lectins 1651
- morphogenesis, ultrastructure 2699
- Conjunctivitis*, man, reviews, water supply 3918
- Conopidae*, Palaearctic Region, catalogues 2824
- Convolvulus arvensis*, extracts, botanical insecticides 4983
- Conyza dioscoridis*, extracts, botanical insecticides 4983

Cook Islands

- dengue virus, epidemiology 5362
- Ross River virus, epidemiology 4413

Copepoda

- Amblyospora campbelli*, infection 155
- freshwater fishes, USSR 2044
- marine fishes, Indian Ocean 1620
- taxonomy 2041

Copper

- distribution, Chironomidae, X ray microprobe analysis 3721
- effects, *Polypedilum nubifer*, reproduction 1094
- toxicity, aquatic invertebrates 4990
- Copper acetoarsenite**, control, Culicidae, economics 3331
- Coprophis bristowi*, taxonomy, nomenclature 2024
- Copris arcturus*, taxonomy, redescription 1101
- Copris bootes*, taxonomy, redescription 1101
- Copris elphenor* cattle dung, South Africa 3741

***Copris elphenor* cont.**

- ecology, interspecific competition 3741
- Copris gilleti*, taxonomy, redescription 1101
- Copris hispanus* cattle dung, Spain 1501
- ecology, spatial distribution 5776
- ivermectin, effects 1501
- Copris lunaris*, ecology, spatial distribution 5776
- Copris martinae*, taxonomy, new species 1101
- Copris phylax*, taxonomy, redescription 1101
- Copris typhoeus*, taxonomy, redescription 1101
- Coproica acutangula* distribution, Oriental Region 1088
- mites 4313
- Coproica coreana*, distribution, Oriental Region 1088
- Coproica ferruginata*, distribution, Oriental Region 1088
- Coproica hirticula*, distribution, Oriental Region 1088
- Coproica hirtula* bacteria, contamination 5761
- distribution Oriental Region 1088
- Romania 4740
- factories, Japan 5761
- Coproica lugubris* distribution, Oriental Region 1088
- mites 4313
- Coproica vagans*, distribution, Oriental Region 1088
- Copromyza equina*, distribution, Czechoslovakia 2426
- Copromyza neglecta*, distribution, Czechoslovakia 2426
- Copromyza nigrina*, distribution, Czechoslovakia 2426
- Copromyza norrbomi*, taxonomy, nomenclature 5258
- Copromyza pallifrons*, distribution, Romania 4740
- Copromyza parastercoraria*, taxonomy, nomenclature 2426
- Copromyza stercoraria*, distribution, Czechoslovakia 2426
- Coptosylla lamellifer* behaviour, feeding behaviour, haematophagy 1782
- Ornithodoros tartakovskyi*, feeding 1780
- Yersinia pestis*, infection 1780
- Coptosyllidae*, taxonomy, morphotaxonomy 2206
- Coquillettidia** Australasia, catalogues 4095
- distribution, India 541-542
- forests, Guinea 2324
- Coquillettidia buxtoni*, distribution, Romania 508
- Coquillettidia chrysosoma*, man, South Africa 506
- Coquillettidia crassipes*, hosts, India 5525
- Coquillettidia fuscopennata* ecology, biting rates 5530
- hosts, Kenya 5530
- Coquillettidia fuscopterion*, taxonomy, status 4095
- Coquillettidia metallica*, man, South Africa 506
- Coquillettidia microannulata*, man, South Africa 506
- Coquillettidia perturbans* behaviour feeding behaviour larvae 4618 techniques 1408
- eastern equine encephalitis virus, USA 5177
- ecology dispersal 5177
- population ecology 1391
- seasonal abundance 2302
- entomophilic nematodes, parasitism 2302
- freshwater marshes, USA 2302
- lakes, USA 1391

***Coquillettidia perturbans* cont.**

- man bites, USA 98
- USA 963
- mites, parasitism 2284
- sampling 2302
- Coquillettidia richiardi** distribution, Norway 5590
- hosts, Sweden 4188
- mosquito-borne diseases, Sweden 4188
- water reservoirs, USSR 1849
- Coquillettidia venezuelensis*, distribution, Surinam 72
- Coquillettidia xanthogaster*, dengue virus, Oceania 5362
- Coregonus lavaretus*, Copepoda, Baltic Sea 1623
- Coremadera marginata*, forests, France 5256
- Corethrella appendiculata*, *Billbergia pyramidalis*, axils, USA 1390
- Corixa hieroglyphica*, prey, *Culex pipiens*, predation 4160
- Corixidae** marshes, Canada 55
- methoxychlor, effects, invertebrate drift 5434
- taxonomy, keys, British Isles 56
- Cornigamasus lumaris*, hosts, Sphaeroceridae 4313
- Corvus corone cornix*, *Ceratophyllus galinae*, UK 5099
- Corynebacterium pyogenes* (see *Actinomyces pyogenes*)
- Corynoneura*, mites 1494
- Corynoneura lobata*, water quality, biological indicators 5261
- Cosmetics**, *Coproica hirtula*, Japan 5761
- Cosmina bicolor*, distribution, Bangladesh 5730
- Cosmina limbipennis*, distribution, Bangladesh 5730
- Cosmoclopius*, prey, Triatominae 48
- Costa Rica** Anophelinae, taxonomy, keys 4617
- Aralichus porrectus* 3213
- Chagas' disease, epidemiology 49
- Cochliomyia hominivorax* 3065, 4728
- Culex* 4180
- Culicidae 3572
- Dermatobia hominis* 5748
- Farrimyia* 5739
- Gigantodax* 5204
- Hermetia illucens* 240
- Lutzomyia* 4677
- Mallophaga 36
- pesticides, poisoning 5441
- Priapichthys annectens* 5573
- Sarcophagidae 3689
- Simulium metallicum* 3633, 5203
- Sphaeroceridae, mites 4313
- Strigiphilus* 4577
- Synoea septentrionalis* 615
- Triatoma ryckmani* 5086
- vesicular stomatitis virus, epidemiology 4376
- Coturnix japonica**, pesticides, effects, cholinesterase 5969
- Coumaphos** (*O*-(3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl) *O,O*-diethyl phosphorothioate) control
- Hyalomma anatolicum* 5803
- Ixodidae 3813
- Sarcoptes scabiei* 3210
- residues sheep decay 3396
- New Zealand 4079
- resistance *Boophilus microplus* 1965
- acetylcholinesterase 4300
- toxicity *Boophilus microplus* 644, 2473
- eggs 4301
- Dermatophilus congolensis* 812
- Cowdria ruminantium** cattle prophylaxis, oxytetracycline 1577
- Zaire 3919
- Zimbabwe 1195

- Cowdria ruminantium* cont.
control 3923
livestock
Mali 770
Zimbabwe 1545
vectors
Amblyomma
America 5833
control 5843
infection, techniques 5840
infections 5828
transmission 5830-5831
Amblyomma hebraeum
detection, ELISA 3826
infections 5829
South Africa 5835
transmission 1545, 4807
Zimbabwe 5808
Amblyomma variegatum
Guadeloupe 5834
transmission 5836
Metastigmata, assays 2476
- Coxiella burnetii*
antigens, reviews 3272
biology, books 3410
cattle, South Africa 4922
Cimex hemipterus, cell lines, infection 54
host parasite relationships
immune response 3269
reviews 3268
man
diagnosis 3273
pathology 3265-3266
Romania 767
USSR 5916
research, history 3257
vectors, *Dermacentor reticulatus*, infections 2504
- Coxsackie virus*, *Aedes albopictus*, cell lines, infection 548
- Craspedorrhynchus haemaopus*, *Accipiter gentilis*, Italy 3531
- Crassicheles concentricus*, hosts, Sphaeroceridae 4313
- Crassicheles holsaticus*, hosts, Sphaeroceridae 4313
- Crataerina hirundinis*, *Delichon urbica*, UK 5098
- Craticulina fimbriata*, distribution, Gam-bia 2398
- Crayfish, parasites, reviews 1180
- Creumatogaster dohrni*, tea plantations, Sri Lanka 3137
- Cremnomys blanfordi*
ectoparasites, India 665
Xenopsylla cheopis, India 2205
- Crenimugil crenilabris*, *Caligus sicarius*, Red Sea 2560
- Creophilus maxillosus*, pesticides, nontarget effects 4704
- P-Cresol, oviposition attractants, *Tox-orhynchites* 988
- Crex crex*, *Ceratophyllus gallinae*, UK 5099
- Cricetomys gambianus*, *Chrysops*, Congo 1043
- Cricetulus barabensis*, Siphonaptera, China 2210
- Cricetulus migratorius*, Trombiculidae, USSR 2005
- Cricotopus*
entomophilic nematodes 5944
phoresy, *Zygonyx iris* 3085
wetlands, USA 1709
- Cricotopus bicinctus*
pesticides, nontarget effects 826
rivers, Japan 244
- Cricotopus sylvestris*
lakes, Japan 1089
mites, parasitism 314
- Cricotopus triannulatus*
rivers, Japan 244
water quality, biological indicators 5261
- Crimean-Congo haemorrhagic fever virus
epidemiology, reviews 732
man
assays, isolation 763
Central African Republic 5906
diagnosis 4393
- Crimean-Congo haemorrhagic fever virus
cont.
man cont.
pathogenesis 4385
reviews 4391
Uganda 2050
ribavirin, therapeutic agents 3247
vectors
Hyalomma marginatum, immunoassays 1989
Ixodidae
Madagascar 1548
vector potential 5290
- Criniscanor apodemi*, *Apodemus agrarius*, Poland 1590
- Criniscanor*, taxonomy, keys, Poland 696
- Criptolepas kachianectei*, *Eschrichtius robustus*, histopathology 5350
- Cristulospira*, taxonomy, new genus 3325
- Cristulospira aedis*
hosts, *Aedes caspius* 3325
taxonomy, new species 3325
- Cristulospira cadyrovi*
hosts, *Culex pipiens* 3325
taxonomy, new species 3325
- Cristulospira sherbani*
hosts, *Culex modestus* 3325
taxonomy, new species 3325
- Crithidia*, hosts, *Musca domestica* 3967
- Crithidia flexonema*, hosts, *Gerris odontogaster* 2072
- Crithidia hyalommae*, vectors, Ixodidae, transmission 287
- Crocidura leucodon*, ectoparasites, Poland 1993
- Crocidura russula*
Erve virus, France 2593
Siphonaptera, Spain 5519
- Crocidura suaveolens*
ectoparasites, Poland 2188
Siphonaptera, Spain 5519
- Crocurobia blairi*, *Crocidura suaveolens*, Poland 2188
- Crocurobia michaeli*, *Crocidura leucodon*, Poland 1993
- Crocodylus niloticus*, DDT, residues, Zimbabwe 5442
- Crocothemis servilia*
control
Aedes aegypti 5576
Culicidae 4159
- Crotalus atrox*, *Porocephalus crotali*, host parasite relationships 343
- Crotamiton* (N-ethyl-N-(2-methylphenyl)-2-butenamide)
control
Demodex 315
Demodex folliculorum 3191
- Crotoxypophos* ((E)-1-phenylethyl 3-[(dimethoxyphosphinyl)oxy]-2-butenate)
against, Ixodidae 648
control, *Haematobia irritans* 4009
resistance, *Boophilus microplus* 1965
toxicity, *Boophilus microplus*, eggs 4301
- Crozet Islands
Coleoptera 3091
Diptera 2930
- Crumomyia longiptera*, taxonomy, new species 2420
- Crumomyia nartshukae*, taxonomy, new species 2420
- Crumomyia peishulensis*, taxonomy, new species 2420
- Crustacea
entomophilic nematodes 3972
fishes
Caspian Sea 2561
research 2566
freshwater fishes, USSR 5352
marine fishes, reviews 1617
- Cryptocercidae, checklists, North America 918
- Cryptocercus punctulatus*
biology, water relations 2877
techniques, sex diagnosis 2879
ultrastructure, tergal glands 2892
- Cryptocladopelma viridula*, mites 1494
- Cryptonyssus flexus*, Chiroptera, USA 5516
- Cryptophagus cellaris*, dwellings, German Democratic Republic 2435
- Cryptophagus saginatus*, dwellings, German Democratic Republic 2435
- Cryptophagus subfumatus*, dwellings, German Democratic Republic 2435
- Cryptostigmata
cattle dung, USA 2521
checklists, Saudi Arabia 1156
distribution, Galapagos Islands 3838
entomogenous fungi 2705
Galapagos Islands, bibliographies 3839
North America, catalogues 2006
Oriental Region, catalogues 3433
reproduction, parthenogenesis 3198
sheep dung, France 3725
- Cryptolaeps minor*, *Spermophilus suslicus*, Poland 1996
- CSIRO 1499, man, Australia 5847
- Ctenigogus*, evolution, phylogeny 1755
- Ctenocephalides*
cats
control, insecticides 929
hypersensitivity 4594
control
insecticides 499, 1353, 3179, 3546
nontarget effects 5979
organophosphate insecticides 1348
pesticides 5514
dogs
control, occupational hazards 1276
hypersensitivity 500
Italy 1355
skin diseases 2204, 4944, 5400
livestock, India 3179
pets
control
health hazards 1690
insecticides 4598, 5102
hypersensitivity 4595
Rickettsia, Italy 1355
zoo animals, Poland 1353
- Ctenocephalides canis*
control, insecticides 3545
dogs
Afghanistan 1955
skin diseases 3545
pets, Romania 1598
small mammals, Czechoslovakia 66
- Ctenocephalides felis*
behaviour, circadian rhythm, locomotion 4153
cats
allergies 2015
ectoparasitoses 2212, 3549
Iraq 4597
skin diseases 3935
USA 3548
control
insecticides 3549, 4592
ultrasonic devices 2212
endosymbionts, biology 2201
insecticides, toxicity 1343, 3548
mammals, USA 5317
pets, Romania 1598
predators 502
rabbits, Thailand 3212
ultrasonic devices, effects 4153
- Ctenocephalides felis felis*
anatomy, proventriculus 927
biology 4593
longevity 1346
cats, host parasite relationships 1346
Dipylidium caninum, development 3544
pyrethroids, toxicity 2208
small mammals, Spain 5519
- Ctenocephalides felis strongylus*, distribution, Somalia 5520
- Ctenoparia inopinata*
Geoxus valdivianus, Chile 4363
Psylloglyphus chiliensis, phoresy 4363
- Ctenopharyngodon idella*, *Argulus siamensis*, India 5890
- Ctenopharyngodon idellus*, parasites, Iraq 3875
- Ctenophthalmus agyrtes*
Crocidura leucodon, Poland 1993
Rattus norvegicus, Poland 1350
small mammals, Czechoslovakia 67-68

- Ctenophthalmus agyrtes agyrtes*, small mammals, Czechoslovakia 66
- Ctenophthalmus apertus gosálbezi*, small mammals, Spain 5519
- Ctenophthalmus assimilis*, small mammals, Czechoslovakia 67-68
- Ctenophthalmus assimilis assimilis*, small mammals, Czechoslovakia 66
- Ctenophthalmus baeticus baeticus*, small mammals, Spain 5519
- Ctenophthalmus bisoctodentatus*, small mammals, Czechoslovakia 66-68
- Ctenophthalmus congener*, small mammals, Czechoslovakia 67-68
- Ctenophthalmus golovi*, behaviour, feeding behaviour, haematophagy 1782
- Ctenophthalmus nivalis helveticus*, distribution, Italy 5521
- Ctenophthalmus nobilis*
- Acarus nidicolous*, phoresy 501
- Muscardinus avellanarius*, nests, UK 501
- Mustela erminea hibernica*, Irish Republic 922
- Ctenophthalmus obtusus*, small mammals, Czechoslovakia 68
- Ctenophthalmus proximus*, rodents, USSR 4290
- Ctenophthalmus solutus*, small mammals, Czechoslovakia 66-68
- Ctenophthalmus uncinatus*, small mammals, Czechoslovakia 68
- Ctenophyllus hirticrus*, small mammals, China 2210
- Cuba**
- Anocentor nitens* 4814
- Culex quinquefasciatus* 5591, 5593
- Culicoides* 551
- dengue haemorrhagic fever, epidemiology 3898
- dengue virus 3892
- epidemiology 4375
- pesticides, poisoning 3381
- tickborne diseases, epidemiology 4805
- Cuculotogaster heterographa*
- control, insecticides 486
- fowls, skin diseases 486
- Culex**
- Amblyospora connecticus*, pathogenicity 2313
- attractants 2271
- Australasia, catalogues 4096-4098
- behaviour, larvae, locomotion 2257
- Bunyavirus*, transmission 728
- California serogroup viruses, transmission 729
- cesspits, South Africa 4609
- distribution, India 541-542
- Ehrlichia risticii*, USA 2606
- habitats, Nigeria 2332
- horses, USA 893
- insect viruses 2672
- Japanese encephalitis virus, control, India 5361
- Pasteurella anatispestifer*, transmission 1851
- phytotelmata, Venezuela 5592
- predators
- predation 5573
- UK 5267
- rice fields, reviews 4601
- St. Louis encephalitis virus, transmission 751
- taxonomy
- chaetotaxy, wings 2977
- type specimens, South Africa 5585
- vesicular stomatitis virus, transmission 5610
- Wuchereria bancrofti*, transmission 5165
- Culex annulirostris**
- Amblyospora dyxenoides*, pathogenicity 3593
- bovine ephemeral fever virus, transmission 727
- Dirofilaria immitis*, vector competence 5178
- ecology, phenology 1309
- Kunjin virus, Australia 1627
- Murray Valley encephalitis virus
- Australia 4411
- Culex annulirostris cont.*
- Murray Valley encephalitis virus *cont.*
- transmission 742
- vector competence 993, 2953
- Ross River virus, transmission 750
- Culex annulirostris bancroftii*, taxonomy, nomenclature 4096
- Culex antennatus*
- control, growth regulators 2306
- distribution, Israel 3575
- hosts, Egypt 1398
- rice fields, Burkina Faso 1009
- Culex apicalis*
- Lagenidium giganteum*, pathogenicity 4624
- taxonomy, identification, larvae 4182
- Culex aquarius*, taxonomy, new species 4180
- Culex arizonensis*, taxonomy, identification, larvae 4182
- Culex astelliae*, distribution, New Zealand 5542
- Culex bitaeniorhynchus*
- man, Pakistan 75
- morphology, larvae, mouthparts 2339
- Culex boharti*, taxonomy, identification, larvae 4182
- Culex caudelli*, ecology, biting rates 979
- Culex cedecei*
- taxonomy, biosystematics 4185
- Venezuelan equine encephalitis virus, transmission 4185
- Culex corniger*, taxonomy, redescription 3583
- Culex coronator*, control, microbial pesticides 5543
- Culex cubiculi*, taxonomy, new name 4097
- Culex decens*, rice fields, Burkina Faso 1009
- Culex delpontei*, taxonomy, redescription 3582
- Culex duttoni*, control, growth regulators 2306
- Culex edwardsi*, distribution, Nepal 1362
- Culex erikae*, taxonomy, new species 528
- Culex erraticus*
- catch basins, USA 2298
- control, mineral oils 2298
- Dirofilaria immitis*, USA 974
- lakes, USA 1391
- Plasmodium floridense*, infections 2236
- Culex erythrothorax*
- arboviruses, USA 107, 2297
- dairies, USA 131
- distribution, USA 2297
- ecology
- biting rates 131
- population ecology 4621
- habitats, USA 4621
- USA 108
- Culex fuscans*
- methoprene, efficacy 5568
- morphology, larvae, mouthparts 2339
- Culex fuscocephala*
- hosts, India 5525
- Japanese encephalitis virus, India 2944, 2984
- Culex fuscocephalus*
- control, Guam 507
- development projects, Sri Lanka 1814-1815
- hosts, Burma 4163
- Japanese encephalitis virus, Burma 4163
- Culex gelidus*
- cattle, India 5525
- development projects, Sri Lanka 1814-1815
- distribution, India 542
- hosts, Burma 4163
- Japanese encephalitis virus
- Burma 4163
- India 2944
- morphology, larvae, mouthparts 2339
- predators 5122
- rice fields, Philippines 5122
- Culex giganteus*, forests, Guinea 2324
- Culex hinglungensis*, distribution, India 1389
- Culex huangae*, morphology, larvae, mouthparts 2339
- Culex hutchinsoni*, distribution, Nepal 1362
- Culex inaequus*, taxonomy, new name 4097
- Culex javanensis*
- distribution, Philippines 5154
- taxonomy, larvae 5154
- Culex lactator*, taxonomy, taxonomic status 3583
- Culex lopesi*, taxonomy, females 5586
- Culex martinii*
- distribution
- Israel 3575
- Romania 508
- Culex mimeticus*, morphology, larvae, mouthparts 2339
- Culex mimulus*, development projects, Sri Lanka 1815
- Culex modestus*, entomopathogenic protozoa 3325
- Culex neavei*
- man, South Africa 506
- taxonomy 5577
- Culex nebulosus*
- ecology, biting rates 5530
- hosts, Kenya 5530
- Culex nigripalpus*
- behaviour, feeding behaviour 101
- biochemistry, enzymes, assays 5456
- biology, development 97
- blood-meals, multiple feeding, identification 2985
- control
- insecticides 2252
- nontarget effects 2787
- ecology
- environmental factors 2935
- size 5114
- nutrition 97
- size 2253
- population ecology 2962
- growth regulators, toxicity 120
- lakes, USA 1391
- man, USA 963
- monitoring, traps 2955
- organophosphorus insecticides, resistance, USA 2295
- physiology, carbohydrates, flight 948
- St. Louis encephalitis virus
- transmission 101
- USA 2935, 2962
- Culex nigropunctatus*, distribution, Nepal 1362
- Culex pallidothorax*, morphology, larvae, mouthparts 2339
- Culex palpalis*, taxonomy, status 4096
- Culex perexiguus*
- breeding places, Israel 3575
- taxonomy 5577
- Culex pereyrai*, taxonomy, redescription 3582
- Culex pervigilans*
- distribution, New Zealand 5542
- rivers, New Zealand 1306
- Culex peus*
- arboviruses, USA 107
- behaviour, feeding behaviour 127
- control
- growth regulators 86, 961
- microbial pesticides 115, 938
- dairies, USA 131
- dairy effluent, USA 938
- ecology, biting rates 131
- man, bites 127
- taxonomy, identification 951
- USA 108
- waste water, USA 86
- Culex pilosus*, lakes, USA 1391
- Culex pipiens*
- alkane sulfonates, toxicity 3992
- aquatic plants, Nigeria 5044
- arboviruses, USA 107
- Bacillus sphaericus*
- toxins
- binding, receptors 3595
- toxicity 3317
- Bacillus thuringiensis*
- pathogenicity 5554
- toxins, toxicity 142, 1233
- bacterial insecticides, effects, oviposition 1846

***Culex pipiens* cont.**

- behaviour
 - feeding, larvae 1801
 - resting behaviour
 - colour 4162
 - surfaces 4161
 - biochemistry, anaerobic metabolism 1383
 - biology, development 128
 - breeding places, Israel 3575
 - carbon dioxide, attractants 959
 - catch basins, USA 2298
 - cesspits, South Africa 4608
 - control
 - biological control 5531
 - growth regulators 5555
 - insecticides 117, 953, 971
 - microbial pesticides 4619
 - mineral oils 2298
 - DDT
 - analogues, toxicity 2757
 - resistance, aging 1842
 - development, temperature 5553
 - dwelling, USSR 1847-1848
 - ecology, survival 5140
 - emergence traps, sampling 972
 - entomopathogenic bacteria, toxins, toxicity 5935
 - entomopathogenic protozoa 3325
 - hosts
 - blood-meals, IgG 1404
 - Egypt 1398
 - insecticide residues, tomatoes, bioassays 3557
 - insecticide resistance
 - assays, esterases 4176
 - genetics, models 1659
 - insecticides
 - resistance
 - Egypt 4191
 - Japan 5152
 - malathion, resistance 4190
 - microscopy, spiracles 5107
 - monitoring, light traps, larvae 2986
 - morphology, eggs 147
 - Ockelbo virus, vector potential 5123
 - organophosphate insecticides, resistance, assays 2255
 - organophosphorus insecticides, toxicity 2758
 - physiology, diapause 1371, 1373
 - predators, predation 4147, 4160
 - rearing techniques 5561
 - Romanomermis culicivorax*, cuticle, penetration 3970
 - St. Louis encephalitis virus, USA 2250
 - sewage effluent, France 4619
 - Tolypocladium niveum*, toxins, toxicity 5615
 - tyres, USA 78, 943, 2268
 - urban areas, USA 971, 5526
 - vectors, St. Louis encephalitis virus, transmission 719
 - waste water, USA 5531
 - water reservoirs, USSR 1849
 - Wuchereria bancrofti*
 - Egypt 5140
 - infection 519
- Culex pipiens fatigans* (see *C. quinquefasciatus*)**
- Culex pipiens pallens***
- Bacillus sphaericus*, pathogenicity 533
 - Bacillus thuringiensis*, toxins, toxicity 3316
 - biochemistry, metabolism 986
 - control, bed nets 5567
 - Dirofilaria immitis*, Japan 957, 5164
 - dogs, Japan 957
 - filiariids, China 4195
 - insecticides, toxicity 1671
 - laboratory strains, Japan 83
 - Onchocercidae, China 2244
 - physiology, nutrition 4640
 - pigs, Japan 3571
 - pyriproxyfen, efficacy 955
 - reproduction, overwintering 1807
 - urban areas, Japan 1369
 - Wuchereria bancrofti*, infection 514
- Culex pipiens pipiens***
- distribution
 - France 2974

***Culex pipiens pipiens* cont.**

- distribution cont.
 - Korea Republic 1384
 - ecology, population ecology 162
 - predators, predation 1836
 - taxonomy, morphotaxonomy 1384
- Culex pipiens quinquefasciatus* (see *C. quinquefasciatus*)**
- Culex poicilipes***, rice fields, Burkina Faso 1009
- Culex portesi***, distribution, Surinam 72
- Culex pseudostigmatosoma***, taxonomy, new species 4180
- Culex pseudovishnui***
- development projects, Sri Lanka 1814-1815
 - dwelling, Sri Lanka 2328
 - ecology, seasonal abundance 2328
 - hosts, India 5525
 - Japanese encephalitis virus, India 2984, 5146
 - rearing techniques 170
- Culex quinquefasciatus***
- aircraft, control, insecticides 3333
 - allergens, immunoblotting 4166
 - arboviruses, Australia 1822
 - Bacillus sphaericus*
 - pathogenesis 3588
 - toxins, ingestion 3592
 - Bacillus thuringiensis*
 - effects, reproduction 5143
 - toxins, toxicity 5407
 - behaviour
 - feeding, larvae 1801
 - feeding behaviour 74
 - oviposition 89, 994, 3600
 - Billbergia pyramidalis*, axils, USA 1390
 - biochemistry
 - acetylcholinesterase 4604
 - enzymes, assays 5456
 - biology
 - development 97
 - size 5131
 - breeding places, India 1364
 - Brugia pahangi*, infection 932
 - cell lines
 - Bacillus sphaericus*, toxins, resistance 1002
 - Bacillus thuringiensis*, toxins, toxicity 385, 4483
 - La Crosse virus, infection 4399
 - control
 - bacterial insecticides 5109
 - biological control 5633
 - chemosterilization 4498
 - environmental management 4158
 - growth regulators 86, 1378, 4625
 - Guam 507
 - India 5445
 - integrated control 5447
 - microbial pesticides 115, 537, 938, 5543
 - mosquito coils 2946
 - nontarget effects 2787
 - polystyrene beads 545, 2311
 - dairies, USA 82, 131
 - dairy effluent, USA 938
 - DDT, resistance, life cycle 5608
 - development projects, Sri Lanka 1814
 - Dirofilaria immitis*, vector competence 5178
 - distribution
 - India 541-542
 - New Zealand 5542
 - Surinam 72
 - dwelling
 - Mozambique 5607
 - Sri Lanka 2328
 - ecology
 - biting rates 131, 5530
 - breeding places 4644
 - dispersal 82
 - nutrition 97
 - size 2253
 - population ecology 4621
 - seasonal abundance 1364, 2328
 - endosulfan, toxicity 2753, 5524
 - entomopathogenic protozoa, Cuba 5591
 - fenoxycarb, effects 5560
 - filiariids, infections 5176

***Culex quinquefasciatus* cont.**

- fluorouracil, effects, reproduction 3563
- Foleyella candezi*, transmission 933
- gamma radiation, effects, oogenesis 538
- growth regulators
 - efficacy 961
 - toxicity 120
- habitats, USA 4621
- Haemogregarina*, transmission 4930
- hepatitis B virus
 - infection 5129
 - vertical transmission 992
- hexaflumuron, efficacy 4171
- hosts
 - Brazil 74, 5603
 - China 5559
 - India 5525
 - Kenya 5530
- insecticide resistance
 - assays, esterases 4176
 - genetics, models 1659
 - resistance mechanisms 527
 - Sri Lanka 1379
- insecticides
 - resistance
 - resistance mechanisms 5593
 - Saudi Arabia 2340
 - susceptibility, Comoros 5632
 - toxicity, sublethal effects 2261
- insectivorous fishes, predation 539, 5628
- Japanese encephalitis virus, India 2944
- laboratory strains, Japan 83
- Lagenidium giganteum*, pathogenicity 4954
- lagoons, USA 4625
- latrines, control, reviews 4967
- Leptolegnia chapmanii*, pathogenicity 393
- limonene, toxicity 1400, 4613
- man
 - bites, immune response, detection 2329
 - Comoros 5634
 - hypersensitivity, detection, immunoblotting 4167
 - India 2982
 - Zaire 2946
- marking 896
- pigments 135
- Metarhizium anisopliae*, pathogenesis 3587
- metepa, effects, reproduction 3565
- methoprene, efficacy 5568
- molecular genetics, repetitive DNA 1809
- monitoring, traps 2955
- morphology
 - larvae, mouthparts 2339
 - mouthparts, larvae 5116
- Orbivirus*, pathogenicity 4174
- organophosphate insecticides
 - resistance
 - assays 2255
 - resistance mechanisms 2976
- organophosphorus insecticides, resistance, genetics 5589
- Oropouche virus, transmission 745
- oviposition attractant pheromones 1378, 2335
- synthesis 129
- oviposition attractants 5534
- oviposition pheromones 5587
- Passer domesticus*, host parasite relationships 102
- permethrin
 - impregnated fabrics
 - bioassays 989
 - efficacy 1829
 - irritability 977
- physiology, immune system 1791
- plant extracts
 - effects 814
 - toxicity 2940, 5563, 5609
- precocene I, effects 2327
- predators 1341, 3576
- predation 2281
- pyrethrins, toxicity, formulations 5562
- rearing techniques 170, 5561
- repellents, efficacy 1827
- rice fields, Burkina Faso 1009

- bed nets 171, 2292
- biological control, reviews 2938
- community participation 5145
- cost benefit analysis, USA 2273, 3607
- environmental management 446
- insecticides 2079, 2248, 5409
 - economics 3331
- insectivorous fishes 5552
- integrated control 2718
- larvae 133
- microbial pesticides 116
- reviews 4601

Culicidae cont.

- control cont.
- USA 111
- dengue virus, transmission 760
- Dugesia dorocephala*, control, spraying 947
- dwellings, control 4496
- eastern equine encephalitis virus, transmission 734
- entomopathogenic bacteria 3949
- evolution, haematophagy 344
- Getah virus, transmission 735
- hepatitis B virus, transmission, reviews 5111
- human immunodeficiency virus, transmission 1190, 4600
- insecticides, resistance 5945
- Iraq, bibliographies 5106
- Japanese encephalitis virus, transmission 738
- man
 - host parasite relationships 344
 - hypersensitivity 1005
- marshes, Canada 73
- Mayaro virus, transmission 741
- microorganisms, manipulators 2160
- mites 4823
- museum specimens, Brazil 5606
- Onchocercidae, infectivity 2231
- overwintering, diapause, reviews 531
- parasites, transmission 104
- physiology, feeding 103-104
- plant extracts
 - fumigants 408
 - repellents 2942
 - toxicity 4976
- Plasmodium*
 - airports, Europe 3612
 - refractoriness 976
- Plasmodium yoelii*, infection 160
- Powassan virus, transmission 747
- predators 2023, 2968, 4541
- India 539
- predation 702
- preservation, electrophoresis 5548
- reindeer, USSR 2248
- repellents 1237
- reproduction
 - autogeny, models 5117
 - gonotrophic cycles 105
- rice fields, USA 116
- Rift Valley fever virus, transmission 748
- Rocio virus, transmission 749
- Romanomermis sichuanensis*, pathogenicity 1418
- sampling 1841, 5638
- scanning electron microscopy, preparation, eggs 1816
- sewage effluent, USA 121
- Simbu group viruses, transmission 752
- Sindbis virus, transmission 753
- surveillance, remote sensing 2862
- taxonomy
 - keys 106
 - nomenclature 525
- tyres, sampling 2285
- Venezuelan equine encephalitis virus, transmission 755
- vesicular stomatitis virus, USA 5190
- waste water, Iran 4611
- Wesselsbron virus, transmission 757
- West Nile virus, transmission 758
- western equine encephalitis virus, transmission 759
- Wuchereria bancrofti*, China 2221
- Culicomyia*, taxonomy, keys, larvae 5154

Culicoides**Culicoides cont.**

- ecology
 - dispersal 551, 5208
- USA 179
- horses, hypersensitivity 5183
- livestock, Thailand 5103
- man, hypersensitivity 786
- Palyam serogroup viruses, South Africa 1184
- phytotelmata, Thailand 173
- Simbu group viruses, transmission 752
- taxonomy, keys, Kenya 2999
- Tolypocladium cylindrosporum*, pathogenicity 1652
- vesicular stomatitis virus, USA 5190, 5208
- Culicoides actoni*
 - bluetongue virus, infections 5179
 - morphology, eggs 1017
- Culicoides alazanicus*, distribution, Czechoslovakia 5636
- Culicoides algicirensis*, taxonomy, redescription 554
- Culicoides aishanensis*, taxonomy, new species 5182
- Culicoides arakawae*
 - Leucocytozoon caulleryi*, infectivity 3926
 - morphology, eggs 1017
- Culicoides arakawai*, *Leucocytozoon caulleryi* 1646
- Culicoides arboricola*, tree holes, USA 4667
- Culicoides barbosai*
 - behaviour, host-seeking behaviour 1014
 - livestock, French Guiana 3621
 - man, USA 1014
- Culicoides bermudensis*, salt marshes, USA 1013
- Culicoides biguttatus*
 - distribution, USA 1015
 - horses, USA 893
- Culicoides brevitaris*
 - bluetongue virus, infections 5179
 - morphology, eggs 1017
- Culicoides cameroni*, distribution, Poland 555
- Culicoides cavaticus*, tree holes, USA 11
- Culicoides chiopteris*, horses, hypersensitivity 3623
- Culicoides clastrieri*, distribution, Poland 555
- Culicoides cockerellii*, arboviruses, USA 5180
- Culicoides cordiger*, salt marshes, Australia 2349
- Culicoides crepuscularis*
 - Chandlerella quiscali*, USA 3615
 - distribution, USA 1015
- Culicoides debilipalpis*, bluetongue virus, USA 2994
- Culicoides dewulfi*, distribution, Poland 555
- Culicoides dubitatus*
 - ecology, seasonal abundance 5642
 - man, Congo 5642
- Culicoides edeni*, *Haemoproteus meleagridis*, infections 3930
- Culicoides elemae*
 - taxonomy, new species 3619
 - tree holes, USA 3619, 4667
- Culicoides flariferus*, livestock, French Guiana 3621
- Culicoides flavipulicaris*
 - distribution, Poland 555
 - taxonomy, redescription 555
- Culicoides flavivennula*, livestock, French Guiana 3621
- Culicoides floridensis*
 - behaviour, host-seeking behaviour 1014
 - man, USA 1014
- Culicoides footei*
 - distribution, USA 1015
 - tree holes, USA 4667
- Culicoides foxi*
 - distribution, Surinam 72
 - livestock, French Guiana 3621
- Culicoides fulvithorax*
 - cattle, Sierra Leone 3035
 - ecology, seasonal abundance 5642
 - man, Congo 5642

Culicoides fulvithorax cont.

- Onchocerca gutturosa*, Sierra Leone 3035
- Culicoides fulvus*, bluetongue virus, infections 5179
- Culicoides furens*
 - attractants 2271
 - behaviour, host-seeking behaviour 1014
 - control, insecticides 87
 - ecology
 - larvae 3617
 - spatial distribution 4666
 - man, USA 1014
 - salt marshes, USA 1013, 3617, 4666
- Culicoides fusipalpis*, livestock, French Guiana 3621
- Culicoides grahamii*
 - ecology, seasonal abundance 5642
 - man, Congo 5642
- Culicoides guttipennis*, tree holes, USA 526, 1015, 4667
- Culicoides guyanensis*
 - distribution, Surinam 72
 - livestock, French Guiana 3621
- Culicoides haematopotus*
 - distribution, USA 1015
 - salt marshes, USA 1013
- Culicoides haranti*, distribution, Czechoslovakia 5636
- Culicoides heliophilus*
 - distribution, Poland 555
 - taxonomy, synonyms 555
- Culicoides henryi*, salt marshes, Australia 2349
- Culicoides herero*, taxonomy, redescription 554
- Culicoides hinmani*, tree holes, USA 4667
- Culicoides histrio*, salt marshes, Australia 2349
- Culicoides imicola*
 - African horse sickness virus, Saudi Arabia 1185
 - bluetongue virus, infections 5179
 - horses, hypersensitivity 2345, 3622
- Culicoides impunctatus*
 - biology, books 5443
 - ecology, UK 180
 - horses, hypersensitivity 3623
- Culicoides insignis*
 - Bivens Arm virus, USA 2344
 - bluetongue virus
 - French Guiana 3621
 - infections 5179
- Culicoides isechnoensis*, taxonomy, new species 2999
- Culicoides karenensis*, taxonomy, new species 2999
- Culicoides kingi*, *Onchocerca railletii*, Sudan 3613
- Culicoides kohistanensis*, taxonomy, new species 5639
- Culicoides krameri*
 - cattle, Sierra Leone 3035
 - Onchocerca gutturosa*, Sierra Leone 3035
- Culicoides lahillei*
 - distribution, USA 1015
 - tree holes, USA 4667
- Culicoides latifrons*, taxonomy, nomenclature 555
- Culicoides longior*, salt marshes, Australia 2349
- Culicoides lulianchengi*, taxonomy, new species 5182
- Culicoides maculatus*, morphology, eggs 1017
- Culicoides manhuriensis machardyi*, distribution, Czechoslovakia 1426
- Culicoides manhuriensis manhuriensis*, distribution, Czechoslovakia 1426
- Culicoides marmoratus*, salt marshes, Australia 2349
- Culicoides melleus*, salt marshes, USA 1013
- Culicoides minutissimus*, taxonomy, redescription 554
- Culicoides mississippiensis*
 - attractants 2271
 - behaviour, host-seeking behaviour 1014
 - ecology
 - larvae 3617

- Culicoides mississippiensis* cont.
ecology cont.
larvae cont.
spatial distribution 4666
man, USA 1014
salt marshes, USA 1013, 3617, 4666
- Culicoides nairobiensis*, taxonomy, new species 2999
- Culicoides nanus*
distribution, USA 1015
tree holes, USA 4667
- Culicoides neofaginus*, tree holes, USA 11
- Culicoides nubeculosis*, *Trypanosoma*, infections 2350
- Culicoides nubeculosus*
Akabane virus, transmission 4670
bluetongue virus, infections 5179
Eufilaria kalifai, development 3614
filariids, infection 3931
Hepatocystis levinei, development 3929
morphology, sense organs 2998
Plasmodium agamae, development 3927-3928
water reservoirs, USSR 1849
- Culicoides obsoletus*
cattle, Denmark 207, 1358
distribution, USA 1015
horses
hypersensitivity 1428, 3623
USA 893
water reservoirs, USSR 1849
- Culicoides odibilis*, distribution, Poland 555
- Culicoides oxystoma*
cattle, Japan 2343
Chuzan virus, Japan 1852
Kagoshima virus, Japan 2343
morphology, eggs 1017
- Culicoides pakistanensis*, taxonomy, new species 5639
- Culicoides pallidicornis*, water reservoirs, USSR 1849
- Culicoides papillatus*, taxonomy, new species 5639
- Culicoides paraensis*
distribution
Surinam 72
USA 1015
ecology, seasonal abundance 4668
livestock, French Guiana 3621
man, Brazil 4668
Oropouche virus, transmission 745
tree holes, USA 4667
- Culicoides parroti*, distribution, Poland 555
- Culicoides peliliouensis*, soil, India 3620
- Culicoides phlebotomus*, livestock, French Guiana 3621
- Culicoides pictipennis*, water reservoirs, USSR 1849
- Culicoides piliferus*, distribution, USA 1015
- Culicoides pseudodiabolicus*, distribution, Surinam 72
- Culicoides pulicaris*, horses, hypersensitivity 3623
- Culicoides punctatus*
morphology, eggs 1017
water reservoirs, USSR 1849
- Culicoides puncticeps*, taxonomy, nomenclature 554
- Culicoides puncticollis*, distribution, Poland 555
- Culicoides pusillus*, livestock, French Guiana 3621
- Culicoides reticulatus*, livestock, French Guiana 3621
- Culicoides riggsi*, distribution, USA 1015
- Culicoides saevus*, taxonomy, redescription 554
- Culicoides schultzei*
cattle, Sierra Leone 3035
Onchocerca gutturosa, Sierra Leone 3035
taxonomy, redescription 554
- Culicoides scoticus*, cattle, Denmark 207, 1358
- Culicoides semimaculatus*, distribution, Czechoslovakia 5636
- Culicoides simulator*, water reservoirs, USSR 1849
- Culicoides snowi*, tree holes, USA 4667
- Culicoides sordidellus*, taxonomy, redescription 554
- Culicoides sphagnumensis*, distribution, Czechoslovakia 5637
- Culicoides spinosus*, distribution, USA 1015
- Culicoides stellifer*
arboviruses, USA 5180
bluetongue virus, USA 2994
distribution, USA 1015
- Culicoides subimmaculatus*, salt marshes, Australia 2349
- Culicoides sumatrae*, morphology, eggs 1017
- Culicoides tayulingensis*, taxonomy, new species 5182
- Culicoides tienhsiangensis*, taxonomy, new species 5182
- Culicoides travassosi*, distribution, Surinam 72
- Culicoides trifasciellus*
cattle, Sierra Leone 3035
ecology, seasonal abundance 5642
man, Congo 5642
Onchocerca gutturosa, Sierra Leone 3035
- Culicoides trinidadensis*, distribution, Surinam 72
- Culicoides ustinovii*
distribution
Czechoslovakia 5636
Poland 555
- Culicoides variipennis*
Akabane virus, transmission 4670
arboviruses, USA 5180
behaviour 2346
biochemistry, enzymes, assays 5456
bluetongue virus
detection, ELISA 5181
infections 5179
infectivity 1429
storage, recovery 4669
transmission 178
USA 2994
control
environmental management 2996
insecticides 4665
development, environmental factors 2347
distribution, USA 1015
ecology, breeding places 2995
horses
hypersensitivity 1428, 5185
treatment 5184
lakes, USA 4665
monitoring, traps 2346, 2348
Orbivirus, detection 1424
rearing techniques 2347
waste water, USA 1427, 2995-2996
- Culicoides variipennis sonorensis*
genetics, biochemical genetics 2997
horses 177
Onchocerca cervicalis, blood-meals, size 1016
Onchocerca cervicalis, transmission 177
- Culicoides variipennis variipennis*, genetics, biochemical genetics 2997
- Culicoides victoriae*, salt marshes, Australia 2349
- Culicoides villosipennis*, tree holes, USA 1015, 4667
- Culicoides wadai*, bluetongue virus, infections 5179
- Culicospira magna*, hosts, *Culex restuans*, life cycle 2706
- Culiseta*
Amblyospora connecticus, pathogenicity 2313
Australasia, catalogues 4098
behaviour, larvae, locomotion 2257
California serogroup viruses, transmission 729
insect viruses 2672
- Culiseta annulata*
distribution, France 2974
water reservoirs, USSR 1849
- Culiseta impatiens*
man, Alaska 1405
- Culiseta impatiens* cont.
repellents, efficacy 1405
- Culiseta incidens*
behaviour, oviposition 3600
biology, development 128
ecology
breeding places 4644
population ecology 4621
entomopathogenic protozoa, infection 155
habitats, USA 4621
Lagenidium giganteum, pathogenicity 4624
suburban areas, USA 4644
USA 108
- Culiseta inornata*
biology, development 128, 2265
Bunyavirus, USA 3889
carbon dioxide, attractants 959
control, biological control 2265
distribution, Bermuda 2299
ecology
diapause 4620
overwintering 3602
population ecology 4621
seasonal abundance 2254
grasslands, burning 12
habitats, USA 4621
physiology, feeding, sugars 1800
Plasmodium relictum, vector competence 2964
Scirpus californicus, USA 2265
- Culiseta longiareolata*
Bacillus thuringiensis, pathogenicity 5554
breeding places, Israel 3575
control, growth regulators 5555
- Culiseta melanura*
eastern equine encephalitis virus
detection 1544
pathogenicity 4173
transmission 524
USA 1407, 1830, 5177
ecology
dispersal 524, 1830, 5177
overwintering 3602
Passer domesticus, host parasite relationships 102
tyres, USA 78
- Culiseta morsitans*
carbon dioxide, attractants 959
distribution, France 2974
eastern equine encephalitis virus, USA 1407, 1830
ecology, dispersal 1830
hosts, Sweden 4188
mosquito-borne diseases, Sweden 4188
- Culiseta ochroptera*, distribution, Romania 508
- Culiseta particeps*
dairies, USA 131, 2341
ecology
biting rates 131
population ecology 2341, 4621
habitats, USA 4621
- Culture techniques**
Anaplasma marginale 1991-1992
Bacillus sphaericus 381, 1650
Bacillus thuringiensis 379-380, 3947, 4945
Beauveria bassiana 793, 4959
Blastocrithidia triatomae 3539
Borrelia burgdorferi 1966
Cimex hemipterus, cell lines 54
entomogenous fungi 795, 1235
entomopathogens 2819
Entomophthorales, protoplasts 3959
insect viruses 2665
Neoaeplectana carpocapsae 3328
Nomurea rileyi 2070
Plasmodium berghei 1401
Trypanosoma 2633
Trypanosoma brucei 2632
- Cummingsia izori*
Marmosa noctivaga, Peru 1324
taxonomy, new species 1324
- Cupiennius salei*, physiology, respiration 4856-4857
- Curculionidae**, caves, Venezuela 3101

- Curtains**
impregnated fabrics
Anopheles 4156
man, *Anopheles* 151
permethrin, Phlebotominae 1021
- Cuterebra**
cats, myiasis 1487
man, myiasis 4239
Sigmodon hispidus, USA 41
- Cyamus ceti**, *Balaena mysticetus*, Arctic Ocean 3228
- Cyamus scammoni**, *Eschrichtius robustus*, histopathology 5350
- Cyanolila**, taxonomy, new subgenus 5685
- Cyanophos** (O-(4-cyanophenyl) O,O-dimethyl phosphorothioate)
degradation, algae 1280
- Cybister tripunctatus**, prey, *Culex pipiens*, predation 4160
- Cyclocypris ovum**, *Syncuaria squamata*, development 4370
- Cyclocypris vidua**, *Syncuaria squamata*, development 4370
- 1-(3-Cyclohexen-1-ylcarbonyl)-2-methylpiperidine**, repellents, *Aedes* 2262
- 1-(3-Cyclohexen-1-ylcarbonyl)piperidine**, repellents, *Aedes* 2262
- Cyclopentanols**
chemistry, synthesis 2739
toxicity, insects, structure activity relationships 2739
- Cyclopentylmethyl alcohols**
chemistry, synthesis 2739
toxicity, insects, structure activity relationships 2739
- Cyclopoida**, prey, Culicidae 5122
- Cycloprene**, effects, *Xenopsylla cheopis* 1352
- Cycloprothrin** (cyano(3-phenoxyphenyl) methyl 2,2-dichloro-1-(4-ethoxyphenyl)cyclopropanecarboxylate)
mode of action 3996
resistance, *Lucilia cuprina*, Australia 1068
- Cyclops**, metals, toxicity 4993
- Cyclorrhapha**, developmental stages, books 5982
- Cyfluthrin** (cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate)
control
Blattella germanica 25, 2183
Haematobia irritans 214
Melophagus ovinus 2425
effects
 γ -aminobutyric acid, receptors 4041
benzodiazepine, receptors 4042
nervous system 4043
Glossina 5022
resistance, *Blattella germanica* 4137
toxicity, *Ctenocephalides felis* 1343, 2208
- Lambda-Cyhalothrin**, control, *Haematobia irritans* 4702
- Cyhalothrin** ([1 α ,3 α (Z)]-(\pm)-cyano(3-phenoxyphenyl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate)
chemistry, photochemistry 1279
control
Amblyomma hebraeum 5844
Haematobia irritans 214
Phthiraptera 485
resistance, *Lucilia cuprina*, Australia 1068
toxicity
Blattella germanica 25
Ctenocephalides felis 1343
- Cylindrothorax**
catalogues 1106
ecology, reviews 1106
- Cylindrothorax picticollis**, cantharidin 1106
- Cylindrothorax ruficollis**, cantharidin 1106
- Cynomya mortuorum**
taxonomy, morphotaxonomy, eggs 1067
upland areas, UK 2394
- Cynomyopsis cadaverina**, carrion, USA 5734
- Cypermethrin** (cyano(3-phenoxyphenyl) methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate)
algae, bioassays 4020
chemistry, photochemistry 1252, 1279
control
Anopheles 2318
Blattella germanica 25, 2183
Bovicola ovis 4580
Cimex lectularius 1775
ectoparasites 3533, 4598
Glossina pallidipes 1448
Haematobia irritans 214
Ixodidae 1136, 4298
Lucilia cuprina 5745
Muscidae 213, 3662
Phthiraptera 920
Psorobia ovis 4326
effects
 γ -aminobutyric acid, receptors 4041
benzodiazepine, receptors 4042
Blattella germanica, photosensitivity 478
fowls, mixed function oxidase 4044
Musca domestica, electrophysiology 3655
nervous system 4043
Ornithodoros moubata, ovarian development 2480
metabolism
earthworms 2094
fowls 2771
Musca domestica, cross resistance 1463
mutagenicity, man 844
pesticide mixtures, toxicity, insects 1462
residues, cattle 855, 4507
resistance
Aedes aegypti 532
Blattella germanica, resistance mechanisms 3528
Culex tritaeniorhynchus, Ryukyu Archipelago 5155
Lucilia cuprina, Australia 1068
Musca domestica, resistance mechanisms 4219
Muscidae, USA 4697
structure activity relationships, *Musca domestica* 1887
toxicity
arthropods 2091
Blattella 5071
Blattella germanica 5476
Boophilus microplus 2473
carp 1263
Ctenocephalides felis 1343, 2208
Dermanyssus gallinae 2516
insects, temperature 1258
Iridomyrmex humilis 1952
Musca domestica, mode of action 2385
Rana temporaria 4049
toxicology, books 3417
with malathion, formulations, stability, carriers 4005
- α -Cypermethrin**, nontarget effects 5422
- Cyperus immensus**, *Aedes*, Kenya 950
- Cyperus serotinus**, *Hybomitra*, oviposition 1040
- Cyphenothrin** (cyano(3-phenoxyphenyl) methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate)
control, Culicidae 5567
resistance, *Culex tritaeniorhynchus*, Ryukyu Archipelago 5155
toxicity, arthropods 2091
- Cypor** (see Cypermethrin)
- Cyprinodon nevadensis**, control, *Culex* 5531
- Cyprinodon variegatus**, temephos, toxicity 2787
- Cyprinus carpio**
Argulus siamensis, India 5890
pesticides, effects 5963
- Cypris**
Bacillus sphaericus, recycling 4619
metals, toxicity 4993
- Cyprus**
Hymenoptera, collections 3113
- Cyprus cont.**
Phlebotominae 3012
- Cyromazine** (N-cyclopropyl-1,3,5-triazine-2,4,6-triamine)
control
Diptera 1465, 1467, 4704
insects 5409
Lucilia cuprina 3685, 4500, 5744
Lucilia sericata 3696
Musca domestica 2380, 3057
Muscidae 2382, 5224
effects
Blattella germanica, reproduction 1746
Lucilia cuprina, cuticle 3681
turkeys
growth 422
reproduction 422
efficacy, *Aedes epactius* 5142
mode of action 417
residues
animal tissues, analytical methods 4514
meat, curing 4076
- Cyrtolaepus mucronatus**, hosts, Poland 1995
- Cythioate**, control, *Spilopsyllus cuniculi* 2203
- Cythion** (see Malathion)
- Cytochemistry**
arthropods, photoreceptors, enzymes 3468
Blattaria, haemocytes 3523
Drosophila melanogaster, enzymes, peroxisomes 4742
- Cytoecetes phagocytophila** (see *Ehrlichia phagocytophila*)
cattle
Spain 3789
UK 5384
vectors
Ixodes ricinus
transstadial transmission 651
UK 292
- Cytology**
Citellophilus tesquorum, haemocytes 1783
insects, endosymbiosis 4544
Menacanthus stramineus, oocytes 5481
Rhodnius prolixus, midgut, DNA 494
- Cytoplasmic polyhedrosis viruses**, culture techniques 2665
- Czechoslovakia**
Aedes cantans 4657
Aedes nigricans 5558
Aphodius hoberlandti 5775
Apidae 2450
arboviruses, epidemiology 354-355, 714, 1634
Ceratophyllus hirundinis 5515
Coleoptera 258
Culicoides 5636
Culicoides manchuriensis 1426
Culicoides sphagnumensis 5637
Demodex canis 3837
Dermacentor marginatus 2499
Dermacentor reticulatus 1555
Diptera 196, 1884
research 2213
Gnathocnus schmidtii 3751
Heteronychia 2400
Hypoderma diana 4735
insects, books 866
Ixodes ricinus 1554
Ixodidae 1569, 4302
Lyme disease, epidemiology 364, 5920
Mesostigmata 307
rodents, ectoparasites 305
Sarcophagidae 228, 2402
Sciomyzidae 5758
Simuliidae 1437
Simulium 1438
Simulium colombaschense 5661
Siphonaptera 66-68, 1349
small mammals, ectoparasites 285-286, 5863
Sphaeroceridae 2426
mites 4313
Thricops tetricus 5693
tickborne diseases, epidemiology 293

Czechoslovakia cont.

tickborne encephalitis virus, epidemiology 357-358

Vespa crabro 5787

Czechoslovakia, Muscidae 3662

Dactylosternum abdominale, poultry housing, South Africa 601

Dacus cucurbitae (see *Bactrocera cucurbitae*)

Dacus dorsalis (see *Bactrocera dorsalis*)

Dacus zonatus (see *Bactrocera zonata*)

Dairies

Culex, USA 86, 938, 4625

Culex quinquefasciatus, USA 82

Culicidae, USA 131

Culicoides variipennis, USA 1427, 2995-2996

Culiseta particeps, USA 2341

Musca domestica, USA 4711

Muscidae, USA 1473, 4216, 4220, 5225, 5705

Dairy farms, Diptera, Poland 1467

Damalania ovis (see *Bovicola ovis*)

Damaliscus dorcas, *Amblyomma*, South Africa 5832

Dams, malaria, environmental management 3335

Danio aequipinnatus, prey, Culicidae, India 539

Daphnia

carbaryl, effects, population ecology 4059

metals, toxicity 4993

preservation 3229

Daphnia magna

heptachlor, metabolism 5960

metals, toxicity 2568

pollutants, bioassays 4994

predators, *Chaoborus*, predation 3082

toxicology, bioassays 4019

Daphnia pulex

Bacillus sphaericus, recycling 4619

predators

Chaoborus, predation 3082

Gambusia affinis 4629

Daraxa, prey, Triatominae 48

Darlingtonia californica, arthropods, USA 3488

Dasychira pudibunda, dogs, tongue diseases 4755

Dasyhelea

phoresy, *Zygonyx iris* 3085

phytotelmata, Thailand 173

taxonomy 554

Dasyhelea arciforceps, taxonomy, synonyms 553

Dasyhelea atra, taxonomy, new species 5641

Dasyhelea clavifulva, taxonomy, nomenclature 553

Dasyhelea columna, taxonomy, new species 5641

Dasyhelea communis, taxonomy, types 553

Dasyhelea forcifata, taxonomy, new species 5641

Dasyhelea furcula, taxonomy, new species 5641

Dasyhelea grenieri, taxonomy, nomenclature 553

Dasyhelea hamata, taxonomy, new species 5641

Dasyhelea imperfecta, taxonomy, new species 5641

Dasyhelea johannseni group, taxonomy, revision 553

Dasyhelea punctiventris, taxonomy, synonyms 553

Dasyhelea schizothrxi

drains, Singapore 3618

taxonomy, new species 3618

Dasyhelea sericatoides, taxonomy, nomenclature 553

Dasyhelea skierskae, taxonomy, new species 553

Dasyhelea turficola, taxonomy, synonyms 553

Dasyhelea wirthicola, taxonomy, new species 553

Dasyssyllus gallinulae

Mustela erminea hibernica, Irish Republic 922

Dasyssyllus gallinulae cont.

small mammals, Czechoslovakia 67

Dasyssyllus gallinulae gallinulae, *Parus*, UK 5098

Dasyrhamphus, distribution, Turkey 2368

Dasyrhamphus ater, distribution, Portugal 5674, 5677-5679, 5682

Daucus carota, extracts, toxicity, ectoparasites 3828

DDE (mixture of isomers in which *p,p'*-DDE predominates)

residues

human milk, Italy 2790

lanolin 1692

waterfowl, USA 430

DDT (mixture of isomers in which *p,p'*-DDT predominates)

analogues

structure-activity relationships 2757

toxicity, Diptera 2757

control

Anopheles 1006, 1360, 2294, 4170

Anopheles arabiensis 946, 5529

Anopheles culicifacies 995

Anopheles darlingi 2274

Anopheles lesteri 1808

Culicidae 2946

insect pests 401

effects

membranes 3366

nervous system 5970

Periplaneta americana, nervous system 5478

Rana tigrina, enzymes 2778

Tilapia mossambica, reproduction 4998

exposure, man, Venezuela 4058

histamine, release 5966

irritability

Anopheles, Colombia 964

Culicidae 977

membranes, lipids 830

metabolism

cytochrome P-450 829

Phlebotomus papatasi 3023

Musca domestica, cross resistance 1463

mutagenicity, man 844

persistence, dwellings 946

pest control 4972

residues

air, Sweden 2796

aquatic invertebrates, USA 5016

Crocidylus niloticus, Zimbabwe 5442

food, Mexico 5980

fowls, Kenya 854

human milk

Finland 1691

Italy 2790

lanolin, German Democratic Republic 4078

man

Costa Rica 5441

USA 5025

meat, Spain 1282

milk

analytical methods 4061

heat treatment 3395

India 4083

pigs 2808

Poland 5023

waste water, analytical methods 437

waterfowl, USA 430

resistance

Aedes aegypti 5613

Anopheles

India 2980

Nepal 136

Sri Lanka 167, 2945

USSR 5167

Anopheles darlingi, Colombia 4622

Anopheles gambiae 5623

Blattella germanica, resistance

mechanisms 3528

Culex pipiens, Egypt 4191

Culex quinquefasciatus

life cycle 5608

Saudi Arabia 2340

Culex tritaeniorhynchus, Ryukyu

Archipelago 5155

DDT cont.

resistance cont.

Culicidae

aging 1842

Sri Lanka 1379

Drosophila melanogaster 5772

Lucilia cuprina, Australia 1068

Musca domestica 573

resistance mechanisms 3653, 4219

Phlebotomus, India 558

Xenopsylla cheopis, India 2205

susceptibility

Anopheles maculatus, Malaysia 5108

Culicidae, Comoros 5632

toxicology, books 3416

DDVP (see *Dichlorvos*)

Debenhamia, taxonomy, new subgenus 5983

Decamethrin (see *Deltamethrin*)

Deer, *Amblyomma americanum*, USA 4789

Deet (see *Diethyltoluamide*)

Defensive secretions

Edessa rufomarginata 5094

Heteroptera 496

Nasutitermes, biochemistry 4286

Nasutitermes ephratae 3145

Pasimachus subsulcatus 3744

Polyrhachis schistacea 274

Romalea guttata, *Allium canadense* 3782

Velocitermes velox 3148

Dehumidification, control, house dust mites 323

Deinocerites, behaviour, larvae, locomotion 2257

Deinocerites cancer

behaviour, feeding behaviour 2319

reproduction, autogeny 2319

Deinopidae, taxonomy, keys, Australia 3222

Delia, cattle, Italy 5717

DeLice (see *Permethrin*)

Delichon urbica

Dennyus, Italy 3531

Dermanyssus hirundinis, Poland 1995

ectoparasites

Poland 1351

UK 5098

nests

Ceratophyllus, UK 62-63

Ceratophyllus hirundinis, Czechoslovakia 5515

Oeciacus hirundinis, Poland 1340

Delta conoideus, venoms, effects, prey 1120

Deltamethrin ([1R-[1 α (S*),3 α]]-cyano(3-phenoxypheyl)methyl 3-(2,2-dibromoethenyl)-2,2-

dimethylcyclopropanecarboxylate)

aerial spraying, drift 801

Blattella germanica 4560

chemistry, photochemistry 1252

contamination, milk, treatment 2106

control

Acari 5873

Anopheles 151, 2245, 4156

Anopheles dirus 143

Culicidae 2292

ectoparasites 1353

Haematobia irritans 212, 214

Phthiraptera 485

effects

γ -aminobutyric acid, receptors 4041

benzodiazepine, receptors 4042

Blattella germanica, photosensitivity 478

Homarus americanus, nervous system 5961

nervous system 4043, 4999

Periplaneta americana

nervous system 4126

potassium 476

rodents, immune response 5964

Glossina 5022

metabolism

cell cultures 4017

Drosophila melanogaster, cell lines 5773

Deltamethrin *cont.*metabolism *cont.*

fowls 5011

Musca domestica, cross resistance 1463

pesticide mixtures, toxicity, insects

1462

residues, milk, analytical methods 5438

resistance

Aedes aegypti 532*Anopheles*, Sri Lanka 2945*Culex quinquefasciatus*, Saudi Ara-

bia 2340

Lucilia cuprina, Australia 1068*Musca domestica* 573

resistance mechanisms 3653-

3654, 4219, 5702

structure activity relationships, *Musca**domestica* 1887

toxicity

Argas persicus 2512

arthropods 2091

Boophilus microplus 2473*Dermatophilus congolensis* 812

insects, temperature 1258

Mallophaga 1757

Deltax (*see* Dioxathion)**Delusory parasitoses**

man 902, 5464

schizophrenia 19

treatment 2166, 4554

pimozide 2165

UK 3497

treatment 901

Demodex

cats, skin diseases 3197, 3935

control, acaricides 1586, 3197, 5860

nutria, Yugoslavia 5860

Demodex bovis

biology, size 5861

cattle, skin diseases 1150, 1588, 2519,

4830

control

acaricides 1150, 2519

insecticides 1588

Demodex brevis, man, skin diseases 315**Demodex canis**

control, acaricides 676, 1584, 1589,

2000, 3832, 3837

dogs, skin diseases 676, 1152, 1584,

1589, 2000, 3837, 4327, 4944,

5400

guineapigs, skin diseases 3832

pets, Romania 1598

Demodex cati

cats, skin diseases 1999, 2518

control, acaricides 1999

Demodex folliculorum

biochemistry, triacylglycerol lipase

3196

control, acaricides 3190-3191

man

disease models 1592

skin diseases 315, 1586, 2002, 3190-

3191, 3196, 5324

Staphylococcus aureus, associations

5324

Demodex tigris

anatomy, digestive system 5859

Panthera tigris, skin diseases 5859**Demodicidae**, control, acaricides 2717**Demon** (*see* Cypermethrin)**Dendrolaelaps**, hosts, Sphaeroceridae 4313**Dendrolimus**, toxins, urticaria 260**Dendrophilus punctatus**, pesticides,

nontarget effects 4704

Dengue haemorrhagic fever

epidemiology, South East Asia 711

man, India 762

Dengue virus*Aedes albopictus*

cell lines

enzyme immunoassay 3895

infection 548, 4165, 4405-4406

Baculovirus, genetic engineering, vac-

cines 4381

Cimex hemipterus, cell lines, infection

54

Culicidae

cell lines

assays 5909

infection 158

Dengue virus *cont.*

epidemiology, reviews 733, 760

glycoproteins, monoclonal antibodies,

mice, vaccines 3246

human immunodeficiency virus, cross

reactivity 1188

infections, *Aedes albopictus*, cell lines

5564

man

Australia 4402

Belau 5904-5905

Cuba 3892, 3898, 4375

diagnosis 348

ELISA 3887

epidemiology 5903

French Polynesia 3896, 5364, 5369

India 5366

mixed infections, diagnosis 3241

Mozambique 5607

Netherlands 2587

New Caledonia 5365

Niue 3242

Oceania 5362-5363, 5370

pathogenesis 4385-4386

reviews 4388

risk factors 3888

Thailand 509, 4885, 5358

travel medicine 4883

Uganda 2050

molecular evolution 4397

molecular genetics, epidemiology 5368

pigs, India 347

vectors

Aedes

infections 1377, 2983

Singapore 4172

Aedes albopictus

infection 96, 3574

sexual transmission 2320

susceptibility 145

vertical transmission 5535, 5545

Culicidae, control 2965

Toxorhynchites splendens, infection

140

Denmark*Anguilla anguilla*, parasites 1178

cattle, Diptera 207

Diptera 1358

fauna, identification 2116

Hydrotaea irritans 202, 209, 1474

Muscidae 213

nuisance pests 1708

Sphaeroceridae 2427

Dennysus, *Delichon urbica*, Italy 3531**Densovirus**

hosts

Aedes aegypti, pathogenicity 1844

Culicidae 2672

Periplaneta fuliginosa, infections

5081

Dermacarus sciurinus, *Sciurus vulgaris*,

Poland 681

Dermacentor*Anaplasma marginale*, infection 649

control

acaricides 302, 5308

reviews 4791

Crimean-Congo haemorrhagic fever

virus, transmission 732

distribution, British Isles 4796

dogs, France 5308

man, bites 1547

sheep, skin diseases 302

taxonomy, keys, adults, USA 3161

Dermacentor albipictus*Alces alces*

Canada 3185

sampling 3171

skin diseases 5298

Anaplasma marginale, USA 5315

cattle

grooming, fecundity 3169

liveweight gain 5295

control, acaricides 5295

distribution, USA 3815

genetics, cytogenetics 5294

Leporidae, USA 65

Dermacentor andersoni*Anaplasma marginale*

detection 1571

DNA probes 3825

Dermacentor andersoni *cont.**Anaplasma marginale* *cont.*

infections 3792, 3821

Colorado tick fever virus, transmission

731

Dugbe virus, infection 3796

genetics, cytogenetics 5294

sex pheromones 3164, 3803

Dermacentor asiaticum, distribution,

Mongolia 4793

Dermacentor daghestanicus, distribution,

Mongolia 4793

Dermacentor marginatus

Bhanja virus, Czechoslovakia 2499,

4302

biology, development 5826

control, acaricides 2490

ecology, population ecology 5821

habitats, France 4295

livestock

Turkey 5311

Yugoslavia 3627, 5821

morphology, sexual dimorphism 1986

Omsk haemorrhagic fever virus, trans-

mission 744

piroplasms, USSR 288

rodents, USSR 4290

sheep

Czechoslovakia 2499

German Federal Republic 2490

tickborne diseases, transmission 287

Dermacentor nitens (*see* *Anocentor nitens*)**Dermacentor niveus**, morphology, sexual

dimorphism 1986

Dermacentor nuttalli, distribution,

Mongolia 4793

Dermacentor occidentalis*Anaplasma marginale*

detection 1571

infections 3792

genetics, cytogenetics 5294

Dermacentor parumapertus, *Sigmodon his-*

pidus, USA 41

Dermacentor pictus, control, environmental

management 1638

Dermacentor reticulatus*Babesia canis*, German Federal Repub-

lic 3794

Coxiella burnetii, infections 2504

distribution, Europe 1555

Escherichia coli, pathogenicity 1558

habitats, France 4295

Omsk haemorrhagic fever virus, trans-

mission 744

Rickettsiella phytoseiuli, infection 658

rodents, USSR 4290

small mammals, Czechoslovakia 1569

virus-like particles 2502

Dermacentor silvarum

distribution, Mongolia 4793

morphology, sexual dimorphism 1986

Powassan virus, transmission 5810

Dermacentor steini, hosts, South East Asia

1561

Dermacentor ushakovae, morphology, sex-

ual dimorphism 1986

Dermacentor variabilis*Anaplasma marginale*

detection 1571

infections 3792

transovarial transmission 3791

antigens, salivary glands 2501

biochemistry, vitellogenesis 1535

Borrelia burgdorferi

Canada 1210

transmission 1562

USA 1552

vector competence 5296

cell lines

Anaplasma marginale

growth 1991

infectivity, cattle 1992

Borrelia burgdorferi, growth 1966

human immunodeficiency virus,

infections 3891

control

acaricides 5304

integrated control 1573

distribution, Australia 2497

Dugbe virus, infection 3796

- Dermacentor variabilis* cont.**
 ecology
 climatic factors 2497
 environmental factors 5289
 population ecology 1575
 models 1972
Ehrlichia risticii, transmission 2495
 genetics, cytogenetics 5294
 hosts, USA 1573
 juvenile hormones, metabolism 3168
 mammals, USA 1981
 mice, immune response 3311
Microtus pinetorum, USA 284
Peromyscus leucopus, USA 5296
 plant extracts, repellents 3816
 rabbits, effects, reproduction 2508
Rickettsia rickettsii
 control, models 5300
 infection 5293
 transmission, models 5299
 rodents, USA 5304
 sex pheromones 3164, 3803
 small mammals, USA 1575
 tickborne diseases, USA 5286
 ultrastructure, fat body 2498
- Dermanyssidae*, *Sorex***, Poland 2467
- Dermanyssus***
 control, acaricides 3179
 livestock, India 3179
 man, ectoparasitoses 3497
- Dermanyssus alaudae***
Alauda arvensis, Poland 1995
 hosts, Poland 1995
- Dermanyssus gallinae***
 acaricides, toxicity 2516
 biology, reproduction 1581
 birds, German Federal Republic 4792
 cats, skin diseases 3935
 control
 acaricides 672
 insecticides 1149
 distribution, USA 3815
 fowls
 Argentina 1149
 Yugoslavia 672
 Hirundinidae, Poland 1351
 hosts, Poland 1995
 ivermectin, toxicity 2485
- Dermanyssus hirundinis***
Delichon urbica, Poland 1995
 small mammals, Poland 1995
- Dermaptera***
 dwellings, Gambia 991
 medical entomology, Australia 3937
- Dermatobia hominis***
 buffaloes, myiasis 5748
 cattle
 Brazil 582
 myiasis 2410
 control, insecticides 582, 2410, 4591
 dogs, myiasis 2405
 hosts, French Guiana 4591
 man, myiasis 229, 1489, 3702, 4238
 morphology, male genitalia 5251
- Dermatophagoides***
 allergens
 dwellings
 German Federal Republic 2526
 suppression 3843
 lymphocytes, antigen antibody reactions 2528
 control, acaricides 4354
 ecology, reviews 3203
 house dust, Australia 4354
 man
 allergies 2526, 5327
 clinical trials 1160
 diagnosis 3202, 4356
 treatment 2533
 ectoparasitoses 3497
 rearing techniques 1593
 taxonomy, synonyms 3401
 techniques, preparation, microscope slides 686
- Dermatophagoides deanei***, taxonomy, nomenclature 3401
- Dermatophagoides evansi***, ecology 3401
- Dermatophagoides farinae***
 allergens
 antigen antibody reactions 4833
 characterization 4345-4346
- Dermatophagoides farinae* cont.**
 allergens cont.
 cross reactivity 2010, 5259
 detection, immunoblotting 4351
 dwellings, Japan 4335
 extracts, proteinases 4337
 house dust
 cats, removal 324
 Norway 4355
 USA 325
 IgE, RAST 319
 immunoassay 2527, 2530
 immunoblotting 5330
 mice, immune response 4347
 radioimmunoassay 4334
 sampling, RAST 1163
- antigens
 Blattaria, cross reactivity 4557
 house dust, USA 4834
- buildings, Poland 1594
 control 1162
 acaricides 1165
 reviews 3200
 extension literature 3841
- dogs
 allergies 5334
 reviews 2009
- ecology 3401
 guineapigs, respiratory diseases 4338
 house dust
 Hawaii 3199
 India 5328
 man, allergies 318
 Sweden 5866
- man
 allergies 374, 1162, 2010, 2531, 2536, 3201, 3204, 3302, 4343, 4474, 5058, 5328-5329, 5396, 5864, 5866
 enzyme immunoassay 4350
 reviews 2534
 Zambia 3844
 eye diseases 2537
 immune response 3206, 4333
 mucocutaneous lymph node syndrome 685
 sampling, house dust 5332
 ships, USA 5867
- Dermatophagoides microceras***
 antigens, house dust, USA 4834
 ecology 3401
 house dust, Sweden 5866
- Dermatophagoides neotropicalis***
 ecology 3401
 taxonomy, synonyms 3401
- Dermatophagoides pteronyssinus***
 allergens 4329
 antigen antibody reactions 4833
 characterization 4346
 cross reactivity 4341
 detection
 immunoblotting 4349, 4351
 immunological techniques 1597
 DNA, cloning 4331
 dwellings, Japan 4335
 extracts 4336
 fluorescence microscopy 4835
 house dust 4353
 assays 4340
 cats, removal 324
 Europe 3205
 USA 325
 IgE, RAST 319
 immunoassay 2527, 2530
 immunoelectrophoresis 1161
 laboratory animals, immune response 4328
 liposomes 5868
 mice, immune response 4347
 purification 4348
 quantification, guanine 2011
 radioimmunoassay 4334
 standards 4330, 4344
- antigens
 cross reactivity 911
 house dust, USA 4834
- buildings, Poland 1594
 control 1162
 acaricides 1165
 reviews 3200
 environmental management 2012
- Dermatophagoides pteronyssinus* cont.**
 control cont.
 extension literature 3841
 dogs, allergies, reviews 2009
 dwellings
 Papua New Guinea 4352
 UK 2012
 ecology 3401
 population ecology 1596
 house dust
 Hawaii 3199
 India 5328
 man, allergies 318
 Sweden 5866
- man
 allergies 321-322, 372, 1158, 1162, 2529, 2531, 2536, 3201, 3303, 3307, 4339, 4344, 4352, 4832, 5058, 5328, 5866
 diagnosis 3208, 5394-5395, 5397
 reviews 2534
 treatment 320, 326, 1159, 3207, 4472
 Zambia 3844
 eye diseases 2537
 immune response 4332-4333
 mucocutaneous lymph node syndrome 685
 molecular genetics, messenger RNA, translation 4329
 ships, USA 5867
- Dermatophagoides siboney***, ecology 3401
- Dermatophilus congolensis***
 acaricides, toxicity 812
 cattle, Antigua 650
- Dermestes***, dried fish, keys, identification 3102
- Dermestes ater***, stored products, New Zealand 4753
- Dermestes bicolor***, hides and skins, Iraq 3745
- Dermestes frischii***, hides and skins, Iraq 3745
- Dermestes maculatus***
 aggregation pheromones 1102, 1104
 hides and skins, Iraq 3745
 poultry housing
 control 1105
 South Africa 601
- Dermestidae***
 cattle housing, Yugoslavia 5409
 control, insecticides 5409
- Derموergasilus acanthopagri***,
Acanthopagrus australis, pathology 706
- Derris*** (see *Rotenone*)
- Desbromoleptophos***, effects, fowls, esterases 4040
- Descurainia sophia***, extracts, *Culex quinquefasciatus* 5563
- Deserts***, parasites, life history 4546
- Desmodus rotundus***
 ectoparasites, America 3235
Periglischrus herrerae, Brazil 3188
- Destruxin A***, chemistry, molecular structure 1653
- Destruxins***, inhibition, insects, immune system 794
- Developing countries***, urban areas, pest control 397
- Development projects***, Culicidae, Sri Lanka 1814-1815
- Dewittea***, taxonomy, redescription 4136
- Dewittea globulifera***, taxonomy, nomenclature 4136
- Dewittea spinifera***, taxonomy, nomenclature 4136
- Dhori virus***, genomes, RNA, sequences 1628
- Diachlorus bicinctus***, distribution, Surinam 72
- Diachlorus ferrugatus***, attractants 2271
- Diacyclops bicuspidatus***, *Batrachotaenia carpathica*, development 3231
- Diacyclops navus***, Culicidae, ecology, associations 4637
- Diaemus youngi***, ectoparasites, America 3235
- Diamanus mandarinus***, taxonomy, nomenclature 1347

- Diamanus montanus* (see *Oropsylla montana*)
- Diamma bicolor*, man, stings 3305
- Diapause**
- Aedes albopictus*, eggs, overwintering 1824
- Amblyomma americanum*, photoperiod 1574
- Anopheles barberi*, ecology 4607
- arthropods, induction 3449
- Boettcherisca*, puparia 1899
- Calliphora vicina*
- larvae 5242
- photoperiodism 5238
- trauma, resistance 1486
- Culex pipiens*
- blood-meals 1373
- overwintering 1371
- Culicidae 4620
- overwintering 2254
- reviews 531
- insects
- environmental factors 2823
- models 4535-4536
- Ixodidae, reviews 655
- Neobellieria bullata*, maternal effect 1909
- Parasarcophaga crassipalpis*
- physiology 4719
- puparia 5236
- Sarcophagidae, life history 3689
- Urolepis rufipes*, temperature 4757
- Diaphanobezzia*, taxonomy, new status 5983
- Diaphanobezzia spinellii*, taxonomy, new species 5983
- Diapriidae**, hosts, Formicidae, parasitism 3138
- Diazinon** (*O,O*-diethyl *O*-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] phosphorothioate)
- absorption, *Rhizopus* 4066
- analytical methods, liquid chromatography 2108
- bioconcentration, *Gnathopogon caerulescens* 5005
- control
- Amblyomma americanum* 3163
- Blattella germanica* 2183
- Boophilus microplus* 3822
- Dermacentor variabilis* 5300
- ectoparasites 3533
- Haematobia irritans* 4009
- Ixodidae 5308
- Musca domestica* 2380
- Psorobia ovis* 4326
- Psoroptes ovis* 5336
- Wohlfahrtia magnifica* 3061
- degradation, algae 1280
- effects
- Blattella germanica*, reproduction 2876
- Chlamydomonas reinhardtii*, growth 3363
- evapotranspiration, soil 5026
- formulations, pesticide metal complexes, controlled release 5417
- humic acids, interactions 2797
- poisoning, fowls 4057
- residues
- lanolin 1692
- sheep
- decay 3396
- New Zealand 4079
- resistance
- Blattella germanica* 4137
- resistance mechanisms 3528
- Culex pipiens*, Japan 5152
- Culex tritaeniorhynchus*, Ryukyu Archipelago 5155
- Lucilia cuprina*
- Australia 1068
- genetics 225
- teratogenesis, *Colinus virginianus* 4028
- toxicity
- Blattella* 5071
- Blattella germanica* 5476
- Boophilus microplus*, eggs 4301
- Cheyletus malaccensis* 1153
- Ctenocephalides felis* 1343, 3548
- fishes 5427
- Diazinon cont.**
- toxicity cont.
- rats 4052
- Dibrom** (see Naled)
- Diceros bicornis*, *Amblyomma*, South Africa 5832
- Dichelacera marginata*, distribution, Surinam 72
- Dichetophora finlandica*, distribution, Czechoslovakia 5758
- Dichetophora oblitterata*, forests, France 5256
- N*-[[[(3,5-Dichloro-2,4-difluorophenyl) amino]carbonyl]-2,6-difluorobenzamide, control, Culicidae 961
- Dichlorvos** (2,2-dichloroethenyl dimethyl phosphate)
- control
- Diptera 2248
- ectoparasites 4591
- effects
- buffaloes, blood chemistry 5010, 5431
- cattle, blood chemistry 4051
- man, acetylcholinesterase, inhibition 1684
- Periplaneta americana*, nervous system 1322
- poisoning
- goats 1674
- man, USA 1690
- residues
- analytical methods 2794
- detection 4077
- waste water, analytical methods 437
- resistance, *Culex pipiens*, Japan 5152
- toxicity
- Argas persicus* 2512
- Boophilus microplus* 2473
- Ctenocephalides felis* 1343
- Dermatophilus congolensis* 812
- fishes 5427
- insects 2169
- marine invertebrates 4015
- Paramecium caudatum* 2762
- rats 4052
- Dicofol** (4-chloro- α -(4-chlorophenyl)- α -(trichloromethyl)benzenemethanol)
- toxicity, *Dermanyssus gallinae* 2516
- Dicranosepsis quadrigemina*, taxonomy, new species 5762
- Dicrocoelium lanceolatum*, intermediate hosts, *Formica*, France 2457
- Dicrotendipes niveicaudus*, lakes, Japan 1089
- Dicrotophos** ((*E*)-3-(dimethylamino)-1-methyl-3-oxo-1-propenyl dimethyl phosphate)
- effects, *Coturnix japonica*, cholinesterase 5969
- exposure, man, USA 1274
- toxicity
- Boophilus microplus* 644
- insects 2758
- Dicrurus hottentotus*, *Odontacarus mahaplagensis*, Philippines 2004
- Dictamnus albus*, extracts, *Periplaneta americana* 5472
- Dictya floridensis*, rearing techniques 3077
- Dictyoptera**, biology, books 1741
- Didelphis virginiana**
- ectoparasites, USA 5317
- Ixodidae, USA 1573, 1981
- Dieldrin** ((1 α ,2 β ,2 α ,3 β ,6 β ,6 α ,7 β ,7 α)-3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7,3,6-dimethanonaphth[2,3-*b*]oxirene)
- control, *Glossina pallidipes* 1448
- effects
- Blattella germanica*, photosensitivity 478
- rats, nervous system 4029
- exposure, man, Venezuela 4058
- histamine, release 5966
- residues
- carp 4073
- food, Mexico 5980
- fowls, Kenya 854
- lanolin 1692
- Dieldrin cont.**
- residues cont.
- man
- Brazil 842
- Costa Rica 5441
- milk, analytical methods 4061
- resistance
- Anopheles*
- India 2980
- Sri Lanka 2945
- Anopheles gambiae* 5623
- Culex pipiens*, Egypt 4191
- sublethal effects
- mice
- immunosuppression 4036
- Salmonella typhimurium*, infection 4037
- susceptibility
- Culicidae, Comoros 5632
- Xenopsylla cheopis*, India 2205
- toxicity, *Saccharomyces cerevisiae* 420
- Dienerella filum**, air conditioners, USA 1931
- Diesel oil**, control, *Sarcoptes scabiei* 3852
- Diethion**, toxicity, *Dermatophilus congolensis* 812
- N,N*-Diethyl-3-methylbenzamide** (see Diethyltoluamide)
- Diethyltoluamide** (*N,N*-diethyl-3-methylbenzamide)
- efficacy, Culicidae 1827
- evaporation 1261
- formulations, controlled release 968
- pharmacology 1264
- poisoning, cats 2789
- prophylaxis, man 1237
- repellents
- Aedes* 2262
- Aedes aegypti* 2159
- Aedes dorsalis*, efficacy 2277
- Aedes taeniorhynchus*, efficacy 968
- Culicidae 75
- efficacy 970, 1238, 2951
- Culiseta impatiens* 1405
- Phlebotomus alexandri* 1432
- vectors 4497
- safety, man 803
- skin, penetration 1261
- toxicity, man 3338
- Diflubenzuron** (*N*-[[[(4-chlorophenyl) amino]carbonyl]-2,6-difluorobenzamide])
- chemistry, synthesis 1250
- control
- Diptera 220
- Musca domestica* 2383
- effects
- Anodonta cygnea*, shell formation 4018
- aquatic invertebrates 5019
- arthropods 1464
- Blattella germanica*, reproduction 1746
- cuticle, mode of action 4988
- Hydra vulgaris* 1259
- efficacy, Chironomidae 1086
- mode of action, insects 1705
- toxicity, Diptera 120
- Digestive system diseases**
- Blattella germanica*, man 4133
- Parasarcophaga crassipalpis*, man 2395
- Digitaria abyssinica**, *Aedes*, Kenya 950
- Dihydropyrazoles**, mode of action, insects 4987
- Dilor**, toxicology 1677
- Dimethoate** (*O,O*-dimethyl *S*-[2-(methylamino)-2-oxoethyl] phosphorodithioate)
- control, Diptera 4704
- effects
- Chlamydomonas reinhardtii*, growth 3363
- man, pemphigus (skin disease) 4510
- mice, enzymes 4025
- Notopterus notopterus*, acetylcholinesterase 4509
- rats, fetal resorption 5965
- rodents, immune response 5964
- Tilapia mossambica*, reproduction 4034

Dimethoate *cont.*

- mutagenicity, man 844
- poisoning, man 427
- residues, analytical methods 2794
- resistance, *Musca domestica*, German Democratic Republic 5700
- safety, spraying precautions 846
- toxicity
 - buffaloes 2095
 - fishes 5427
 - Saccharomyces cerevisiae* 420

Dimethoxon (*see* Omethoate)**Dimethyl 3-[(dimethoxyphosphinyl)oxy]-2-pentenedioate**, toxicity, *Musca domestica* 1472**Dimethyl phthalate**

- evaporation 1261
 - repellents, *Aedes* 2262
 - skin, penetration 1261
- Dimethyl(4-ethoxyphenyl)silylmethyl 3-phenoxybenzyl ether**, toxicity, insects 3991

3,11-Dimethyl-2-heptacosanone, sex pheromones, *Blattella germanica* 5474**3,11-Dimethyl-2-nonacosanone**, sex pheromones, *Blattella germanica* 5474**2,2-Dimethyl-3-(3-phenoxybenzyloxy)propanal** derivatives

- chemistry, synthesis 2744
- toxicity, insects 2744

N-(2,2-Dimethylpropyl)carbamoylallyl phosphonate, derivatives, insects, structure activity relationships 2084**Dimetilan** (1-[(dimethylamino)carbonyl]-5-methyl-1*H*-pyrazol-3-yl) dimethyl-carbamate)

- control, *Musca domestica* 2380
- resistance, *Culex pipiens*, Egypt 4191

Dimilin (*see* Diflubenzuron)**Dimpylate** (*see* Diazinon)**Dinocras cephalotes**, prey, aquatic insects 465**Dioks-1**, activity, Diptera 822**Dioks-2**, activity, Diptera 822**Diomedea immutabilis**, *Womersia*

- midwayensis*, Midway Islands 3192
- Diomedea irrorata*, *Aedes taeniorhynchus*, Galapagos 5112

Dioxabenzofos (2-methoxy-4*H*-1,3,2-benzodioxaphosphorin 2-sulfide)

- metabolism, *Musca domestica* 1060
- toxicity, *Musca domestica* 5228

Dioxacarb (2-(1,3-dioxolan-2-yl)phenyl methylcarbamate)

- toxicity, *Blattella germanica* 1318

Dioxathion (*S,S'*-1,4-dioxane-2,3-diyl bis (*O,O*-diethyl phosphorodithioate))

- control
 - Ixodidae 5295
 - Rhipicephalus appendiculatus* 3793
- toxicity
 - Boophilus microplus*, eggs 4301
 - Dermatophilus congolensis* 812

Dioxofos (*see* Trichlorfon)**Dipel** (*see* *Bacillus thuringiensis* subsp. *kurstaki*)**Dipetalogaster maxima**, *Trypanosoma cruzi*, xenodiagnosis 2192**Dipetalogaster maximus**, *Trypanosoma cruzi*, xenodiagnosis 491**Dipetalonema gracile**, vectors, Diptera, infection 3931**Dipetalonema robini**, vectors, Diptera, infection 3931**Diphenyl oxide**, repellents, Tabanidae 1237**Diphylla ecaudata**, ectoparasites, America 3235**Diplocentrus coddingtoni**, taxonomy, new species 2033**Diplocentrus lourencoi**, taxonomy, new species 2033**Diplocentrus lucidus**, taxonomy, new species 2033**Diplocentrus ornatus**, taxonomy, new species 2033**Diplocentrus santiagoi**, taxonomy, new species 2033**Diplocentrus steeleae**, taxonomy, new species 2033**Diplohelea**, taxonomy, nomenclature 5983**Diplonevra**, ecology, phenology 5769**Diplopoda**

- distribution, Canada 4373
- entomophilic nematodes 3972
- Malta, checklists 4374
- taxonomy
 - keys
 - Canada 3232
 - South America 4877

Diptoptera punctata

- biochemistry
 - corpora cardiaca, peptides 33
 - haemolymph, juvenile hormone III 1730
 - neurohormones 5471
- hydroprene, effects, neuroendocrine system 1732-1733
- physiology
 - moulting 480
 - neuroendocrine system, nutrition 1744
 - ovarian development, juvenile hormones 5057

Dipping

- amitraz, stability 2494
- control
 - Amblyomma hebraeum* 5844
 - Psoroptes ovis* 5336
- promacyl, degradation 1660
- sheep
 - ectoparasites 2507
 - equipment 1247
 - pesticide residues, wool 3396, 4079

Diptera

- Australasia, catalogues 3430
- collections, German Democratic Republic 5523
- control, insecticides 504, 1465-1467, 3334
- dairy farms, Poland 1467
- developmental stages, books 5982
- distribution, Romania 2214
- dried fish, keys, identification 3102
- larvae, taxonomy, keys, UK 3423
- livestock, control, India 3243
- man
 - allergies, reviews 3306
 - myiasis 1356
- Meles meles*, animal burrows, Europe 467
- morphology, wings 1359
- Nearctic Region, books 3418
- parasitoids, parasitism 2441
- physiology
 - flight 2127
 - aerodynamics 3475
 - vision, larvae 5104
- pig housing, control 220
- refuse tips, Poland 1465
- reproduction, polyteny, mitosis 2124
- taxonomy
 - keys 70-71
 - phylogeny 3418
 - types, Chile 4526
- trapping, Japan 2931
- zoological gardens, Poland 1466

Dipterex (*see* Trichlorfon)**Diptericin A**, Gram negative bacteria, mode of action 1906**Dipus sagitta**, *Mesopsylla sagitta*, China 5513**Dipylidium caninum**, intermediate hosts, *Ctenocephalides felis*, development 3544**Dirhinus pachycerus**, poultry housing, India 3759**Dirofilaria**

- vectors
 - Culicidae, infectivity 2231
 - Mansonia uniformis*, Thailand 3932

Dirofilaria immitis

- biology
 - books 858
 - reviews 780-781
- dogs
 - immune response 782
 - USA 369
- man, Japan 3298
- vectors
 - Aedes*, infection 2280
 - Aedes aegypti*, effects, flight 153

Dirofilaria immitis *cont.*

- vectors *cont.*
 - Aedes trivittatus*
 - effects, flight 1794
 - infection 4168
 - Culex erraticus*, USA 974
 - Culex pipiens*, Japan 957, 5164
 - Culicidae
 - detection, ELISA 1823
 - Japan 1369, 2956
 - susceptibility 2948
 - vector competence 5178
- Discachaeta gigas**, taxonomy, new species 2401
- Disinsection**
- aircraft 3333
 - New Zealand 3976
- Dispersal**
- Anopheles* 2321
 - Anopheles gambiae* 5621
 - Blattella germanica* 5060
 - Cochliomyia hominivorax* 4721
 - Culex quinquefasciatus* 82
 - Culex tarsalis*, wind 2247
- Culicidae
- mark-release-recapture 135
 - wind 5177
- Culicoides*, wind 551
- Culiseta* 1830
- Culiseta melanura*, wind 524
- Diptera, wind 5208
- insects, meteorology 466
- Simulium sanctipauli* 4679
- Solenopsis invicta*, regression analysis 1951
- Distichlis spicata**, *Culicoides*, USA 1013, 4666
- DNA probes**
- Anaplasma marginale*, *Dermacentor* 1571
 - Anopheles* 79
 - identification 5627
 - Yersinia pestis*, Siphonaptera 1344
- Dog faeces**
- Aphodius*, Korea Republic 5265
 - Calliphoridae, New Zealand 3075
 - Meliponinae, Peru 3767
 - Musca domestica*, Peru 5708
- Dogs** (*Canis familiaris*)
- allergies, skin tests 4943
 - amitraz
 - effects
 - hyperglycaemia 2768
 - nervous system 4053, 4056
 - Anopheles*, Papua New Guinea 1811
 - Anopheles freeborni*, USA 3558
 - arboviruses, South Africa 2049
 - arthropods, skin diseases 5400
 - Babesia*, German Federal Republic 3794
- Borrelia burgdorferi**
- Austria 3921
 - Canada 1210
 - diagnosis 3920, 4926
 - immune response 4923
 - South Africa 4905
 - UK 4927, 5385
 - USA 5387
- Calliphoridae, myiasis 579
- Cheyletiella*, skin diseases 3836, 4827-4829, 4831
- Cheyletiella yasguri*, skin diseases 675, 1583
- chlordan, poisoning 4060
- Cochliomyia hominivorax*, myiasis 3669, 4728
- Ctenocephalides*
- control 1348
 - health hazards 1690
 - occupational hazards 1276
 - hypersensitivity 500, 4595
 - Italy 1355
 - skin diseases 2204
- Ctenocephalides canis*, skin diseases 3545
- Culex erraticus*, USA 974
- Culex pipiens*, Japan 957
- Culicidae
- feeding behaviour 2956
 - Kenya 5530
 - USA 4644

Dogs cont.

- Dasychira pudibunda*, tongue diseases 4755
- Demodex canis*, skin diseases 676, 1152, 1584, 1589, 2000, 3837, 4327
- Dermatobia hominis*, myiasis 2405
- Dermatophagoides*, allergies, reviews 2009
- Dermatophagoides farinae*, allergies 5334
- Dirofilaria immitis*
Japan 1369
USA 369
- diseases, books 2829
- ectoparasites
Afghanistan 1955
control
acaricides 4598
insecticides 5102
pesticides 2717
USA 5514
- French Guiana 4591
- India 3178-3179
- Romania 1598
- skin diseases 2657
- Spain 5459
- ectoparasitoses, USA 4944
- Ehrlichia canis*
Corsica 5312
France 1199
USA 5383
- insecticides, exposure, USA 5014
- ivermectin
effects, nervous system 2770
pharmacokinetics 5009
- Ixodes dammini*
Canada 301, 4309
USA 1975, 3166
- Ixodes holocyclus*, paralysis 1526
- Ixodes ricinus*, feeding 5288
- Ixodidae
France 5308
India 5799
- Leishmania infantum*, France 1219
- methoprene, toxicity 2769
- Otobius megnini*, ear diseases 4816
- Otodectes cynotis*, skin diseases 4847
- parasites
Europe 1181
Greece 3885
- pesticides, poisoning 2784
- Phlebotominae, India 559
- Phlebotomus*, Egypt 3002
- Pneumonyssoides caninum*, Canada 1582
- propoxur, effects 4031
- Rhipicephalus*, Yemen Arab Republic 1979
- Rhipicephalus sanguineus*, USA 3167
- Rickettsia*, Egypt 2619
- Rickettsia conorii*
immunodiagnosis 4416
Italy 2059, 2614, 4415, 4417
- Rickettsia rickettsii*, eye diseases 1196
- Rickettsiales, USA 1637
- Sarcoptes scabiei*, skin diseases 3210, 3851
- Simuliidae, USA 2359
- Siphonaptera
control 3546
Czechoslovakia 66
- skin diseases, books 1698, 4107
- Dolichovespula***
allergens, Trichoptera, cross reactivity 4782
- man
hypersensitivity 262, 4269-4270, 4273-4274
treatment 2658, 3300, 4473, 4942
- venoms, allergens, cross reactivity 4281
- Dolichovespula maculata***
man, hypersensitivity 2456
- venoms, antigens, DNA, nucleotide sequences 1514
- Dolichovespula media***, distribution, UK 4766
- Dolichovespula norvegica***, ecology, nests 4768

- Dolichovespula saxonica***, distribution, UK 4766-4767
- Dolichovespula sylvestris***, ecology, nests 4768
- Dololoia domrowi***, distribution, Philippines 2004
- Dololoia sklari***, small mammals, USSR 2005
- Dolomedes fimbriatus***, prey, Culicidae, predation 702
- Dolomedes triton***, prey, *Culex pipiens*, predation 1836
- Dolops ranarum***, anatomy, digestive system 3873
- Domestic animals**
Anopheles, feeding behaviour, models 987
arboviruses, economic importance 715
Psilocnetha almae, USSR 1859
- Dominica**, scabies, epidemiology 5872
- Dominican Republic**
Aedes aegypti 4616
Stenotabanus brodzinskyi 3038
- Donkeys (*Equus asinus*)**
akabane virus, Arabian Peninsula 346
- Culicidae
Egypt 1398
Kenya 5530
- Gasterophilus*
myiasis 5752
Zimbabwe 1490
- Rhipicephalus*, Yemen Arab Republic 1979
- Doratifera quadriguttata***, man, skin diseases 3305
- Doratopsylla dasyncnema***, small mammals, Czechoslovakia 67-68
- Doratopsylla dasyncnema dasyncnema***
Muscardinus avellanarius, nests, UK 501
- small mammals, Czechoslovakia 66
- Doratopsylla dasyncnema giloti***, small mammals, Spain 5519
- Dorylus helvolus*, *Saccostomus campestris***, predation 5793
- Douglas virus**, epidemiology, reviews 752
- Downeshelea**, taxonomy, new genus 5983
- Doxyl nitroxides**, chemistry, synthesis 5411
- Draco*, *Odontacarus***, Philippines 2004
- Dracunculus medinensis***, intermediate hosts, Cyclopoida, control, water filters 707
- Drains, *Dasyhelea schizothrix***, Singapore 3618
- Dried fish**, arthropods, keys, identification 3102
- Dromedaries (*Camelus dromedarius*)**
akabane virus, Arabian Peninsula 346
- Cephalopina titillator*, myiasis 584
- Rhipicephalus*, Yemen Arab Republic 1979
- Sarcoptes scabiei*, skin diseases 3854
- West Nile virus, Nigeria 5372
- Wohlfahrtia magnifica*, myiasis 3061
- Drosophila***
biology, books 3405
chemicals, mutagenesis 2754
control, USA 4224
dwellings, Africa 3078
ethyl methanesulfonate, mutagenesis 2146
- genetics
chromosome maps 3403-3404
chromosomes, genes 462
laboratory manuals, books 3406
molecular genetics, DNA, evolution 4545
- ontogeny
embryogenesis 4530, 4532-4533
nervous system, development 3451
neurons, metamorphosis 3450
physiology, vision 5726
reproduction, oogenesis 4534
sterility, genes, screening 4534
taxonomy, keys, Africa 3078
ultrastructure, nervous system 459
- Drosophila auraria***, ecdysterone, Balbiani rings, gene expression 236
- Drosophila melanogaster***
alcohols, metabolism 3454
antioxidants, mutagenesis 1095

***Drosophila melanogaster* cont.**

- azadirachtin, effects, ecdysone 20-monooxygenase 5419
- behaviour, learning 4749
- biochemistry
amylases 1302
cuticle 4538
sclerotization 4537
cytochrome P-450 2722
dihydrofolate reductase 5036
- cell lines
Bacillus thuringiensis, toxins, toxicity 4483
biochemistry, chitin, biosynthesis 3456
bollar virus, infection 3314
deltamethrin, metabolism 5773
 α -ecdysone, heat shock proteins, induction 4743
ecdysteroids, receptors 461
flock house virus, infection 4478
human immunodeficiency virus, infections 3891
chlormephos, mutagenicity 5958
cuticle, gene expression, ecdysone 454
cytochemistry, enzymes, peroxisomes 4742
ecdysone, transcription 2850
ecdysterone, gene expression 881
ethyl nitrosourea, mutagenicity 1096
gene expression, ecdysteroids, regulation 455
- genetics
aging 889
gene regulation, sexual behaviour 1301
human faeces, Pakistan 2424
immunocytochemistry
nervous system 3079
photoreceptors, actin 4739
- insecticide resistance
cytochrome P-450, gene expression 3983
mutations 3984
resistance mechanisms 2722
cytochrome P-450 5772
- juvenile hormone III, development 5
- magnetic field, effects, development 2416
- malathion, resistance, genetics 1658
- molecular genetics
accessory glands, genes 4250
arthropod hormones, gene expression 5455
enzymes, nucleotide sequences 2399
metamorphosis 2145
- molecular structure, eggs, proteins 3718
- neurochemistry, antennae 4247
- neurocytology, photoreceptors 460
- nuclear energy, Mexico 8
- ontogeny
genes, metamorphosis 453
sensilla 4745
- Orbivirus***, pathogenicity 4174
- parasitoids, parasitism 3115
- phosphine, mutagenicity 4991
- physiology
immune system 3115
photoreceptors, synapses 2381
vision 5248
- precocene II, genotoxicity 1668
- reproduction, oogenesis, development 4529
- sigmavirus, infection, resistance, genetics 4476
- ultrastructure, antennae 4527
- ziram, genotoxicity 824
- Drosophila S virus***
hosts, *Drosophila simulans* 4477
taxonomy
classification 2673
new species 4477
- Drosophila simulans***
insect viruses 2673, 4477
nuclear energy, Mexico 8
- Drosophilidae**
cattle dung, China 5718
taxonomy, tribes 1917
- Dryoplaneta variegata***, entomophilic nematodes, host parasite relationships 473

Duck ponds, Culicidae, USA 4621

Ducks

- carbamates, residues, analytical methods 5027
- pesticides, poisoning 2784
- pirimiphos-methyl, effects, blood cells 2776

Dugbe virus

- vectors
 - Ixodidae
 - infection 3796
 - vector competence 3175

Dugesia dorotocephala, control, Culicidae, spraying 947

Dugesia tigrina

- control, Culicidae 960
- rearing techniques 960

Dunaliella bioculata, deltamethrin, metabolism 4017

Dunaliella tertiolecta, fluorescence, pesticides, phytotoxicity, assays 3364

Dung beetles

- behaviour
 - nesting
 - books 3724
 - drought 3737
 - checklists, Thailand 4253
 - forests, Panama 3729
 - monitoring, traps 599
 - sheep dung, France 3725-3726
 - soil
 - mediterranean climate, ecology 3739
 - Niger 3738, 3740

Dursban (see Chlorpyrifos)

Dwellings

Aedes aegypti, Trinidad and Tobago 2967

allergens, USA 4474

Anopheles

- India 2981
- Tanzania 2318
- Yugoslavia 4605

Anopheles arabiensis

- South Africa 5529
- Zimbabwe 946

Anopheles culicifacies, India 995

Anopheles darlingi, Surinam 2274-2275

arthropods

- control, building construction 4496
- Gambia 991
- German Democratic Republic 2435
- Netherlands 317
- Switzerland 2202

Blattaria, USA 1319, 1323, 2184

Blattella germanica, USA 25, 2183, 4564

Cimex, South Africa 924

Culex pipiens, USSR 1847

Culicidae

- Brazil 5601
- Mozambique 5607
- Sri Lanka 1814, 2328
- USA 4644
- USSR 1848

Culicoides paraensis, Brazil 4668

Dermatophagoides

- allergens
 - Japan 4335
 - suppression 3843
- control 1165
- USA 5867

Dermatophagoides pteronyssinus,

Papua New Guinea 4352

Dermestidae, German Federal Republic 1929

Drosophilidae, Africa 3078

Eremocoris, USA 5509

house dust mites

- Japan 323
- Poland 1594
- UK 2012

insects, Denmark 1708

Leptocera fuscipennis, Japan 1087

Lutzomyia, Brazil 3010

Ommatoiulus moreleti, Australia 3233

organochlorine pesticides, USA 2807

Phlebotominae

- Burkina Faso 1021
- India 558

Dwellings cont.

- Phlebotomus papatasi**, Italy 5654
- Sarcoptes scabiei**, USA 331
- Triatoma infestans**, Argentina 5504
- Triatoma sordida**, Brazil 5505
- Triatominae, Brazil 5503

Dytiscidae

- lakes, Czechoslovakia 258
- marshes, Canada 246
- morphology, legs, larvae 2431
- prey, Culicidae 5122
- rice fields, USA 18
- USA, checklists 255

Dytiscus dauricus, ecology, mortality 257

Dytiscus verticalis, physiology, haemolymph 4260

Ear diseases

- Calliphoridae, dogs 579
- Otobius megnini**, dogs 4816
- Psoroptidae, livestock 4848

Ear tags

cattle

- Glossina** 1451
- Haematobia irritans** 4008, 4697, 4702, 5703
- Ixodidae 4808
- Musca conducens** 5232
- Muscidae 213-214, 359, 3662
- pesticide residues 802

formulations, controlled release 4008

horses, **Haematobia irritans** 3054

sheep, **Bovicola ovis** 4580

East Coast fever (see also *Theileria parva*)

Eastern equine encephalitis virus

Aedes albopictus, cell lines, infection 548

birds, USA 1407

epidemiology, reviews 734

man, USA 713

monoclonal antibodies, antigenic variation 3890

Passer domesticus 102

vectors

Aedes albopictus, infection 5540

Culicidae, USA 1407, 5177

Culiseta, USA 1830

Culiseta melanura

detection 1544

pathogenicity 4173

transmission 524

α -**Ecdysone**, **Drosophila melanogaster**, cell

lines, heat shock proteins, induction

4743

Ecdysterone

Drosophila auraria, Balbiani rings,

gene expression 236

effects, **Musca domestica**, vitellogenesis

3650

Echidnophaga

control, insecticides 3179

livestock, India 3179

Echidnophaga gallinacea

distribution, Somalia 5520

endosymbionts, biology 2201

Echidnophaga larina, distribution, Somalia

5520

Echidnophaga murina, distribution,

Somalia 5520

Echinochloa stagnina, aquatic insects,

Nigeria 5044

Echinonyssus criceti (see *Hirstionyssus*

criceti)

Echinonyssus hilli, **Sigmodon hispidus**,

USA 41

Echinonyssus soricis (see *Hirstionyssus*

soricis)

Echinonyssus sunci, hosts, Poland 1995

Eciton, prey, Triatominae 48

Eciton burchelli, **Callithrix humeralifer**,

interactions 1116

Ecology

Aedes

interspecific competition 2959

population ecology 1392

spatial distribution 950

Aedes albopictus, eggs, overwintering

1824

Aedes cantans

feeding behaviour 550

parous rates 4189

Aedes echinus, population ecology 1393

Ecology cont.

Aedes punctor

population ecology 3597

size 3598

Aedes triseriatus

environmental factors 1397

population ecology 2251, 5115

spatial distribution 5536

Amblyomma americanum, population

ecology 1967

Anopheles

eggs, survival 4628

gonotrophic cycles, moon phases

2321

Anopheles arabiensis, population ecol-

ogy, larvae 5618

Anopheles balabacensis, survival 4186

Anopheles barberi, overwintering 4607

Anopheles freeborni, phenology 3558

aquatic insects

community ecology 2858

emergence 1494, 1710

invertebrate drift 465

population ecology 5046

streams, invertebrate drift 9

aquatic invertebrates

acidification

biological indicators 1308

effects 1307

floods 1306

invertebrate drift 1303-1304

phenology 1309

water pollution 1305

Armigeres theobaldi, population ecol-

ogy 173

arthropods

haematophagy 464

trophic relations 1310

Austrosimulium bancrofti, environmen-

tal factors 2365

birds, ectoparasites, plumage 4573

Blattella germanica, spatial distribution

5060

Calliphora, cold resistance 4236

cattle dung, mites, environmental fac-

tors 2521

Chironomidae, thermal effluent, effects

1495

Chrysomya, larvae, development 4642

Cochliomyia hominivorax, dispersal

3073

Culex nigripalpus

environmental factors 2935

size 5114

population ecology 2962

Culex pipiens

population ecology 162

survival 5140

Culex tarsalis

environmental factors, microhabitat

5127

larvae, population ecology 2963

population ecology 1818

Culicidae

biting rates 5530

breeding places 4644

larvae, habitats 3575

nutrition 97

size 2253

population ecology 4621

predator prey relationships 5122

rice fields, phenology 1009

Culicoides

habitats 1013, 2349

larvae, spatial distribution 4666

tree holes, pH 4667

Culicoides paraensis, seasonal abun-

dance 4668

Culiseta, overwintering 3602

Culiseta inornata, seasonal abundance

2254

Dermacentor variabilis

environmental factors 5289

population ecology 1575

models 1972

Dermatophagoides pteronyssinus, pop-

ulation ecology 1596

Diptera, larvae, interspecific competi-

tion 3687

dung beetles

community ecology 597

Ecology cont.

- dung beetles cont.
 - environmental factors 5778
 - habitats 1926
 - interspecific competition 3741
 - phenology 4259
- food webs
 - predator prey relationships 3490
 - trophic interactions, variation 4552
- forest canopy, arthropods, diversity 891
- Glossina*, seasonal abundance 4687
- Glossina pallidipes*
 - environmental factors 4212
 - mortality 4213
 - population ecology, models 4207
- grasslands, burning, insects, community ecology 12
- Haemagogus janthinomys*, seasonal abundance 1420
- Haemaphysalis longicornis*, population ecology 5281
- Haematobia irritans*, mortality 1468
- Hemipyrellia ligurriens*, larvae, interspecific competition 3688
- host parasite relationships, mate competition 4551
- house dust mites, reviews 3203
- Hybomitra lasiophthalma*, parous rates 3042
- Hypoderma tarandi*, phenology 3704
- insects
 - books 877
 - phytotelmata 11
 - population ecology 463
 - models 4550
- Ixodes dammini*
 - development 3176
 - environmental factors 5851
 - host parasite relationships 3817
 - population ecology 3166
- Ixodes persulcatus*, population ecology 1988
- Ixodes ricinus*, seasonal abundance 4802
- Ixodes rubicundus*, spatial distribution 2511
- Ixodidae
 - habitats 4295
 - interspecific competition 4794
 - phenology 4304
 - population ecology 1135, 5821
 - seasonal abundance 5806, 5848
- Mansonella dyari*, parous rates 4630
- Mesostigmata, community ecology 4321
- Musca domestica*, environmental factors 5708
- Musca vetustissima*
 - environmental factors 3058
 - size 574
- Neomyia pacifica*, intraspecific competition, larvae 3659
- Nicrophorus*, resource partitioning 4261
- Odonata, food conversion 2466
- Onthophagus*, overwintering 4255
- Ornithodoros turicata*, population ecology 1539
- parasites, host parasite relationships 2574
- Phlebotominae, environmental factors 5187
- phytotelmata
 - community ecology 3488
 - fauna, community ecology 3572
- Pogonomyrmex occidentalis*, survival 276
- predators, population ecology 2857
- Psorophora columbae*, population dynamics, models 80-81
- Rhipicephalus appendiculatus*, environmental factors 5813
- Rhipicephalus pusillus*, population dynamics 3174
- Rhipicephalus turanicus*, seasonal abundance 5807
- Ropalidia plebeiana*, population ecology 272
- Sarcophagidae, population ecology 2402

Ecology cont.

- Scathophaga stercoraria*, population ecology 4701
 - Simuliidae
 - larvae, habitats 3634
 - nutrition 188, 192
 - Simulium*
 - nutrition 190-191
 - population ecology 1438, 2360
 - Simulium erythrocephalum*, population ecology 4204
 - Simulium ornatum*, substrates, colonization 4678
 - Solenopsis invicta*, invasions 3133
 - streams, aquatic invertebrates 5043
 - symbiosis, mutualism, reviews 2147
 - Tabanidae, seasonal abundance 5213
 - Tabanus abactor*, population ecology 2367
 - Tabanus fuscicostatus*, parous rates, host availability 1441
 - temporary waters, books 4102
 - zooplankton, predator prey relationships 4548
- Economics**
- control
 - Amblyomma americanum* 5291
 - Anopheles* 935
 - Tanzania 1006
 - cattle, ectoparasites 4966
 - Culicidae 540, 2273, 3331
 - USA 3607
 - Glossina pallidipes* 1448
 - Haematobia irritans* 212
 - Hypoderma*, cattle 581
 - insect pests 1248
 - malaria 2294
 - Thailand 4198
 - Muscidae, USA 5225
 - pesticides, cost benefit analysis 1249
 - Rhipicephalus appendiculatus*, cattle 3793
 - trypanosomiasis, models 4462
 - losses
 - cattle
 - Amblyomma hebraeum* 667
 - Amblyomma variegatum* 1136
 - anaplasmosis 3989
 - Diptera 1467
 - ectoparasites 2514
 - endoparasites 1491
 - Haematobia irritans* 4702
 - Ixodidae 5295
 - Muscidae 3662
 - Cuclotogaster heterographa*, egg production 486
 - domestic animals, insects 1248
 - fowls, *Menacanthus stramineus* 921
 - livestock, *Amblyomma variegatum* 646
 - man
 - arboviruses 715, 721
 - Sarcoptes scabiei* 4361
 - pigs
 - Anoplura 1759
 - Sarcoptes scabiei* 687
 - sheep, *Psorobia ovis* 4326
 - prophylaxis, malaria, bed nets 2972
 - Ectobiinae, morphology, sclerites 29
 - Ectodex (see Amitraz)
 - Ectoparasites
 - host specificity, evolution 4122
 - vertebrates, pathophysiology, books 5030
 - Ectrin (see Fenvalerate)
 - Ecuador
 - Aedes taeniorhynchus* 5112
 - Ananteris festae* 2034
 - Gigantodax* 3635
 - Gigantodax lazoi* 1439
 - Lutzomyia ayacuchensis* 5189
 - man, skin diseases 4941
 - pesticides, poisoning 3382
 - Simulium* 194
 - Sphaeroceridae, mites 4313
 - Strigiphilus* 4577
 - Edessa rufomarginata*, defensive secretions 5094
 - Edrabius*, evolution, phylogeny 1503
 - Eggs, pesticide residues, USA 4067
 - Egretta caerulea*, DDT, residues, USA 430

Egretta garzetta, *Argas robertsi*, Indonesia 3159

Egypt

- Anopheles* 5128
 - Culex perexiguus* 5577
 - Culex pipiens* 4191, 5140
 - Culicidae 1398, 5555
 - predators 4160
 - Glyptotaspis zaheri* 4310
 - Hipposiderobia* 3834
 - Holostaspella* 4311
 - house dust mites 2013
 - Kleemannia* 4312
 - Lyme disease, epidemiology 3254
 - Musca domestica* 4218
 - Phlebotominae 5647
 - Rickettsia*, epidemiology 2619
 - rickettsial diseases, epidemiology 3912
 - Theileria annulata*, epidemiology 2636
 - Wohlfahrtia magnifica* 3061
- Ehrlichia canis**
- dogs
 - Corsica 5312
 - France 1199
 - USA 1637, 5383
 - man
 - France 2617
 - USA 1213-1214, 2605, 5377
 - vector, *Ixodes scapularis*, USA 5377
 - vectors
 - Rhipicephalus sanguineus*
 - transmission 2617
 - USA 3167
- Ehrlichia phagocytophila**, sheep 1546
- Ehrlichia platys**, dogs, USA 1637
- Ehrlichia risticii**
- horses
 - transmission 3908
 - USA 2606, 2630
 - vectors
 - haematophagous insects, USA 893
 - Ixodidae, transmission 2495
 - Simulium*, transmission 1023
- Eichhornia crassipes**
- control, biological control 3578
 - Mansonella annulifera*, India 5110
- Eisenia fetida**, limonene, effects 5962
- Ektocid** (see Trichlorfon)
- El Salvador**
- Anophelinae, taxonomy, keys 4617
 - Chagas' disease, epidemiology 49
 - Culex* 3583, 4180
 - Geomydoecus* 1326
 - Sarcophagidae 5738
- Elaphe longissima**, Ixodidae, control, acaricides 2469
- Electric field**, effects, Culicidae 5572
- Electrocuting grids**
- control
 - Glossina* 4205
 - Glossina palpalis* 199
 - Glossina*, sampling 3048
- Electrocuting traps**, control, Muscidae 4216
- Electrostatic spraying**, *Anopheles*, build-ups 2318
- Elgiva cucularia**, distribution, Czechoslovakia 5758
- Elliptio icterina**, *Unionicola*, host parasite relationships 674
- Emberiza cia**
- Ceratophyllus fringillae*, China 2209
 - Ixodes frontalis*, Spain 5822
- Embryogenesis**, *Periplaneta americana*, moulting hormones 483
- Empenthrin** ((E)-1-ethynyl-2-methyl-2-pentenyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate)
- Blattella germanica* 4560
- Empididae**, Palaearctic Region, catalogues 3432
- Enallagma**, prey, *Culex tarsalis* 1818
- Enallagma civile**, prey, *Culex tarsalis* 2963
- Enallagma ebrium**, mites, parasitism 4825
- Endemic typhus** (see also *Rickettsia typhi*)
- Endosulfan** (6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide)
- control, *Glossina pallidipes* 1448
 - degradation, water 2804

Endosulfan *cont.*

- effects
 - Barbus stigma*, digestive system 4033
 - carp 5963
 - Chlamydomonas reinhardtii* 2093
 - Labeo rohita*, lactate dehydrogenase 2097
- rats
 - microsomes 2775
 - reproduction 4027
- formulations, granules 2753
- inhibition, enzymes 4996
- metabolism, *Catla catla* 5968
- mutagenicity, man 844
- nontarget effects 5422
- toxicity

- Anguilla anguilla* 4024
- carp, reproduction 2764
- Culex quinquefasciatus* 2753, 5524
- Gambusia affinis* 1678
- Lamellidens* 4016

Endrin ((1 α ,2 β ,2 α ,3 α ,6 α ,6 β ,7 β ,7 α)-3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7,3,6-dimethanonaphth[2,3-*b*]oxirene)

- effects, *Periplaneta americana*, γ -aminobutyric acid, receptors 5952
- histamine, release 5966
- mode of action 5952
- poisoning, man, Philippines 848
- residues

- man, Costa Rica 5441
- milk, analytical methods 4061
- resistance, *Culex pipiens*, Egypt 4191
- toxicology, safety 2766

Entamoeba histolytica, vectors, insects, mechanical transmission 368**Enterobacter**, hosts, Lepidoptera 792**Enterovirus**, *Aedes albopictus*, cell lines, infection 548**Entomobrya**, *Avitellina centripunctata*, life cycle 2463**Entomogenous fungi**

- biology, books 865
- fungal insecticides, biotechnology 2700

Entomology

- languages, publications 5981
- research institutes, USA 4518

Entomopathogens

- arthropods, biological control, theory 3312
- bioassays, insects, quality controls 2066
- biotechnology, books 2819
- insects, epidemiology, models 5401

Entomophaga aulicae, protoplasts, culture techniques 3959**Entomophilic nematodes**, helminth insecticides, biotechnology 2708**Entomophthora**, fungal insecticides, pest control 4958**Entomophthora muscae**

- hosts, Diptera, cross infection 3656
- protoplasts, culture techniques 3959

Entomophthora thaxteriana, toxicity, laboratory animals 2774**Entomophthorales**, hosts, arthropods, Israel 2702**Entomopoxvirus**, culture techniques 2665**Entonyssus halli**, snakes, USA 671**Environmental management**

- Aedes* 4172
- Aedes albopictus* 5544
- Alphitobius diaperinus* 603
- Amblyomma* 5845
- Amblyomma americanum* 5291
- Amblyomma variegatum* 645
- Anopheles* 935, 1000, 1006, 2294, 5172, 5605
- Culicidae 446, 2259, 4158, 4601
- Culicoides variipennis* 2996
- Dermacentor variabilis* 5300
- Diptera, latrines 4967
- house dust mites 323, 1162
- insect pests, housing 4496
- Ixodidae 1638
- Leptocera fuscipennis* 1087
- Muscidae 5224-5225
- Psorophora columbiae* 934
- Eomenacanthus stramineus* (see *Mena-*
canthus stramineus)

Eperythrozoon coccoides, vectors, *Polyplax serrata*, transmission 2907**Eperythrozoon wenyoni**, vectors, Ixodidae, Cuba 4805**Ephemeroptera**

- DDT, residues, USA 5016
- man, allergies, reviews 3306
- marshes, Canada 282
- medical entomology, Australia 3937
- methoxychlor, effects, invertebrate drift 5434
- permethrin, effects 2105

Ephydriidae, collections, Irish Republic 4746**Epicauda albida**, horses, poisoning 2433**Epicauda attrivittata**, horses, poisoning 2433**Epicauda conferta**, horses, poisoning, USA 3750**Epicauda occidentalis**, horses

- poisoning 2433
- USA 3750
- poisoning, horses, USA 4754

Epicauda pardalis, horses, poisoning 2433**Epicauda pennsylvanica**, horses, poisoning 2433**Epicauda temexa**

- horses, poisoning 2433
- poisoning, horses, USA 4754

Epicauda vittata, poisoning, horses, USA 4754**Epidemic relapsing fever** (see also *Borrelia recurrentis*)**Epidemic typhus** (see also *Rickettsia prowazekii*)**Epidemiology**

- arboviruses
 - books 872
 - genetic variation 717
 - man 721
 - meteorological factors 719
 - models 723
 - research, methodology 722
 - transmission 718
 - vertebrates 720
- Culicidae, microfilariae, infectivity 2231
- malaria, transmission, models 2239
- parasites, predator prey relationships, models 2575
- parasitoses, control 4880
- Plasmodium vivax*, models, transmission 1850
- Rickettsia rickettsii*, transmission, models 5299
- Sarcoptes scabiei*, man 2541
- Trypanosoma cruzi*, transmission, models 53
- vector-borne diseases
 - host parasite relationships 444
 - immunology 371
 - models 3886
 - vectorial capacity, models 3022

Epiplatys senegalensis, prey, Culicidae, predation 3576**Epiplatys sexfasciatus**, ecology, feeding behaviour 2968**Epizootic haemorrhagic disease of deer virus**

- epidemiology, reviews 726
- vectors, *Culicoides variipennis*, detection 1424

Eptesicus fuscus

- ectoparasites, USA 5516
- guano, arthropods, USA 256

Eptesicus serotinus, ectoparasites, Poland 678**Equine infectious anaemia virus**

- epidemiology, reviews 1632
- vectors, Diptera, mechanical transmission 1632

Equipment

- agitators, aerial spraying 2728
- application equipment, insecticides, assays 3987
- applicators, chemicals 809
- aspirators 898
- Culicidae 2158
- insects 5053
- bags, nets 5054

Equipment *cont.*

- bioassays, aquatic organisms 1312
 - cages
 - Culex tarsalis* 945
 - insect repellents, bioassays 2159
 - electroantennograms, semiochemicals, bioassays 468
 - growth cabinets, *Lucilia sericata* 1076
 - manipulators, Culicidae 2160
 - mark release recapture, Culicidae 896
 - pesticides, operational handling 2725-2726
 - platforms, forest canopy 899
 - recording instruments, Calliphoridae, development 897
 - samplers
 - aquatic insects 18
 - aquatic invertebrates 1715
 - sheep dipping races 1247
 - sprayers 807
 - insecticides, evaluation 2079
 - spraying, cattle, automatic control 4971
 - traps, haematophagous insects 893
 - ultralow volume sprayers, occupational hazards 843
 - vacuum devices, insects, collection 4124
- Equus asinus* (see Donkeys)
- Equus burchelli*, *Amblyomma*, South Africa 5832
- Equus caballus* (see Horses)
- Equus caballus* \times *E. asinus* (see Mules)
- Eremocoris borealis*, dwellings, USA 5509
- Eremocoris ferus*, dwellings, USA 5509
- Eretmapodites**
- forests, Guinea 2324
 - habitats, Nigeria 2332
- Ereynetes amplexor**, cattle dung, USA 2521
- Ergasilus**, freshwater fishes, introduced species 4872
- Ergasilus centrarchidarum**, fishes, USA 5353
- Ergasilus latus**, *Chrysichthys nigrodigitatus*, Nigeria 2562
- Ergasilus lizae**, *Acanthopagrus australis*, pathology 706
- Ergasilus mosulensis**, *Carasobarbus*, Iraq 3877
- Ergasilus sieboldi**
- Cyprinidae, Iraq 3875
 - hydroelectric schemes, Poland 4871
- Erigeron philadelphicus**, extracts, toxicity, ectoparasites 3828
- Erinaceus europaeus**
- Dermamyssus hirundinis*, Poland 1995
 - Ixodes ricinus*, feeding 5288
 - Siphonaptera, Spain 5519
- Eriophora biapicata**, man, bites, Australia 3219
- Eristalis**, predators 3125
- Eristalis tenax**
- anatomy, spermathecae 3089
 - cattle housing, Italy 4750
 - human faeces, Pakistan 2424
 - man, myiasis 4249
 - morphology, wings 2142
 - ontogeny, temperature 1492
 - physiology
 - flight 2143
 - vision 5248
- Erithacus luscini**, *Ceratophyllus gallinae*, UK 5099
- Erithacus svecicus**, *Ceratophyllus gallinae*, UK 5099
- Ernoneura argus**
- biology, life cycle 3658
 - prey, Trichoptera 3658
- Erve virus**
- mammals, France 2593
 - taxonomy, new species 2593
- Erwinlindneriina**, taxonomy, nomenclature 2396
- Erynia**
- conidia, assays, spectrophotometry 2704
 - morphogenesis, ultrastructure 2699
- Erynia aquatica**, hosts, *Aedes*, infection 5597
- Erynia bullata**, zygospores, germination 3960
- Erynia radicans**, conidia, assays, spectrophotometry 2704

- Erythraeus dubiosus*, *Microtus arvalis*, Poland 679
- Erythraeus regalis*, *Clethrionomys glareolus*, Poland 679
- Escherichia coli*
Ixodidae, pathogenicity 1558
parathion, effects, growth 2761
Rhyarobia maderae, defence mechanisms 3526
- Escherichia vulneris*, *Coproica hirtula*, contamination 5761
- Eschrichtius gibbosus* (see *E. robustus*)
- Eschrichtius robustus*, Crustacea, histopathology 5350
- Esfenvalerate ([S-(R*,R*)]-cyano(3-phenoxyphenyl)methyl 4-chloro- α -(1-methylethyl)benzeneacetate)
control, Culicidae 5567
- Esomus dandricus*, prey, Culicidae, India 539
- Essaouira virus*, taxonomy, serotaxonomy 4398
- Etaphos**
effects, *Nauphoeta cinerea*, feeding behaviour 5074
toxicity, insects 2169
- Ether**, control, Mallophaga 4143
- Ethics**, animal rights, insects 2868
- Ethion** (S,S'-methylene bis(O,O-diethyl phosphorodithioate))
clothing, resistance to penetration 404
effects, goats, blood chemistry 4054
resistance, *Boophilus microplus* 3153
- Ethiopia**
Glossina 4205
Pediculus humanus 5487
Phlebotomus 5198
ricketsial diseases, epidemiology 5924
trachoma
control 4911
epidemiology 5925
- Ethofenprox**, toxicity, insects 2744
- Ethohexadiol**
repellents
Aedes 2262
Aedes dorsalis, efficacy 2279
- Ethyl fenthion**, residues, wildlife, analytical methods 4515
- Ethyl hexanediol** (see Ethohexadiol)
- Ethyl methanesulfonate**
mutagenesis, *Drosophila* 2146
mutagenicity, *Anopheles quadrimaculatus*, genetics 2939
- Ethyl nitrosourea**, mutagenicity, *Drosophila melanogaster* 1096
- Ethylenethiourea**, residues, analytical methods, liquid chromatography 2111
- 2-Ethylhex-2-enal**, control, Acari 3833
- 1-(4-Ethynylphenyl)-4-propyl-2,6,7-trioxabicyclo[2.2.2]octane**, effects, Blattaria, nervous system 3519
- Etofenprox** (1-[[2-(4-ethoxyphenyl)-2-methylpropoxy]methyl]-3-phenoxybenzene)
mode of action 3995
resistance
Blattella germanica, resistance mechanisms 3528
Culex tritaeniorhynchus, Ryukyu Archipelago 5155
silane analogues, toxicity, insects 5420
- Euathlus**, toxins, reviews 5342
- Euboeitcheia trejosi**, ecology, diapause, life history 3689
- Eubrachiella antarctica**, *Notothenia gibberifrons*, Antarctic Ocean 1622
- Eubrachiella gaini**, Chaenichthyidae, Antarctic Ocean 2047
- Eucharitidae**
hosts, Formicidae, parasitism 3138
morphology, mouthparts 611
- Euchyletia taurica**, *Clethrionomys glareolus*, Poland 673
- Eucompsa aureocincta**, taxonomy, nomenclature 5685
- Eucompsa tecticallosa**, taxonomy, nomenclature 5685
- Eucyclops serrulatus**, *Batrachotaenia carpathica*, development 3231
- Eufilaria kalifai**, vectors, Culicoides nubeculosus, development 3614
- Euhoplossyllus glacialis affinis**, *Sigmodon hispidus*, USA 41
- Eukiefferiella**, phoresy, *Zygonyx iris* 3085
- Eulaelaps novus**, small mammals, Poland 5316
- Eulaelaps stabularis**
hosts, Poland 1995
rodents, USSR 4290
small mammals, Poland 5316
- Eumeces fasciatus**, *Ixodes*, host preferences 4801
- Eumeces laticeps**, *Ixodes*, host preferences 4801
- Euodia huyepensis** (see *Tetradium danielli*)
- Euoniticellus cambeforti**, taxonomy, new species 4253
- Euoniticellus fulvus** (see *Oniticellus fulvus*)
faeces, Spain 4259
- Euoniticellus pallipes** (see *Oniticellus pallipes*)
- Eupelmidae**, taxonomy, classification 5271
- Euphlebotomus**, taxonomy, phylogeny 3631
- Euproctis chrysorrhoea**
control, viral insecticides 606
insect viruses 4479
parasitoids, parasitism 3110
rearing techniques 4479
- Euproctis edwardsi**, man, skin diseases 3305
- Eurax** (see Crotamiton)
- Euroglyphus**
ecology, reviews 3203
house dust, Hawaii 3199
rearing techniques 1593
taxonomy, nomenclature 3401
- Euroglyphus maynei**
buildings, Poland 1594
ecology 3401
house dust, man, allergies 318
man, allergies 321, 2531
rearing techniques 3842
- Europe**
entomology, research institutes 4518
plague, epidemiology 1291
- Eurycotis floridana**
bait traps 1323
baits, feeding behaviour 1748
control, insecticides 1319
dwellings, USA 1319, 1323
- Euryglossa**, man, hypersensitivity 3120
- Eurypelma californicum**
biochemistry
haemocyanin 1611
molecular structure 2558
haemolymph 1172
physiology, respiration 4855-4857
venoms
characterization 1615
toxicity, insects 1615
- Euschoengastia ambocalis**, distribution, USA 3815
- Euschoengastia neotomae**, distribution, USA 3815
- Euschoengastia numerosa**, distribution, USA 3815
- Euschoengastia ohioensis**, *Microtus pinetorum*, USA 284
- Eusilpha japonica**, carrion, Japan 600
- Eusimulium aureum** (see *Simulium aureum*)
- Eusimulium costatum** (see *Simulium costatum*)
- Eusimulium cryophilum** (see *Simulium cryophilum*)
- Eusimulium latipes** (see *Simulium latipes*)
- Eusimulium latizonum** (see *Simulium angustipes*)
- Eusimulium lundstromi** (see *Simulium lundstromi*)
- Eusimulium nemorivagum** (see *Simulium nemorivagum*)
- Eusimulium vernum** (see *Simulium vernum*)
- Eutamias amoenus**, Bunyaviridae, USA 4377
- Euthalus vagans**, man, bites 1175
- Euthyas**, hosts, *Aedes sierrensis* 2315
- Euthycera alaris**, forests, France 5256
- Euthycera cribrata**, forests, France 5256
- Euthycera leclercqi**, forests, France 5256
- Eutrombicula belkini**, distribution, USA 3815
- Eutrombicula kohlsi**, *Sphenomorphus*, Papua New Guinea 4817
- Eutrombicula onyongensis**
Sphenomorphus, Papua New Guinea 4817
taxonomy, new species 4817
- Eutrombicula wichmanni**, distribution, Philippines 2004
- Euxestoxenus**, poultry housing, South Africa 601
- Euxestus phalacroides**, poultry housing, South Africa 601
- Eviphididae**, cattle dung, USA 2521
- Eviphis**, hosts, Sphaeroceridae 4313
- Evolution** (see also Palaeozoology)
aquatic insects 2149
Arachnida, phylogeny 4528
Arthropoda, phylogeny 5454
arthropods, books 2815
Astigmata, phylogeny 2007
Blattaria
ovoviviparity 3522
phylogeny 33
Coleoptera, speciation 2429
Culicidae, haematophagy 344
Diptera, DNA, nucleotide sequences 1809
host parasite relationships, coevolution 4122
Hymenoptera
phylogeny 3112, 3755
stings 2439-2440
insects
reproduction 451
wings 3446
Mallophaga, phylogeny 1755
parasitoids, host parasite relationships 1110
Phlebotomus, phylogeny 3631
Phthiraptera, phylogeny 1750
phylogeny, analysis, parsimony 3442
Scorpiones, toxins 2559
theory, books 3411
Vespidae, social behaviour 1513
- Exhyalanthrax abruptus**, hosts, *Glossina morsitans* 3051
- Expert systems**, simulation models, pest control 16
- Eye diseases**
Cuterebra, cats 1487
Dermatophagoides, man 2537
Diptera, man 1356, 4732
man
Africa 4879
insects 1649
Oestrus ovis, man 1085
Orthopterus, man 3305
Pthirus pubis, man 1333
- Eyelid diseases**, *Demodex folliculorum*, man 5324
- Eylaoidea**, marshes, Canada 310
- Eyndhovenia**, taxonomy, legs, chaetotaxy 4315
- Factories**, *Coproica hirtula*, Japan 5761
- Falco tinnunculus**, nests, *Gnathocus schmidtii*, Czechoslovakia 3751
- Fannia**
cattle, Italy 5717
livestock, Thailand 5103
- Fannia canicularis**
animal housing, New Zealand 3056
cattle dung, China 5718
cesspits, South Africa 4608-4609
control
biological control 3056
insecticides 4704
USA 4224
distribution, Pakistan 5696
- Entomophthora muscae**, cross infection 3656
- poultry droppings, development 1454
poultry housing, USA 4704, 5698
predators 4704
pyrethrins, resistance, USA 5698
rabbit housing, control 4223
- Fannia dupla**, distribution, Pakistan 5696
- Fannia femoralis**
control, insecticides 4704

Flumethrin (cyano(4-fluoro-3-phenoxy-phenyl)methyl 3-[1-chloro-2-(4-chlorophenyl)ethenyl]-2,2-dimethylcyclopropanecarboxylate) against, *Boophilus microplus* 643 control

Amblyomma 5842

Boophilus microplus 1578, 2491

Dermacentor marginatus 2490

ectoparasites 2507

Glossina palpalis 1871

Haemaphysalis longicornis 2492

Hyalomma anatolicum 5803

Ixodidae 4298, 5310

Mesostigmata 1149

Psoroptes ovis 3211, 5877

resistance, *Boophilus microplus* 3790

toxicity

Dermatophilus congolensis 812

Musca conducens 5716

Fluoraliphatic sulphones, control, *Solenopsis invicta* 3140

Fluoroketones

effects, insects, juvenile hormone esterase 5953

structure activity relationships 5953

5-(4-Fluoro-3-phenoxybenzyl)-2-(4-ethoxyphenyl)-2-methylpentane, silane analogues, structure activity relationships 5420

3-Fluoropropionic acid derivatives

chemistry, synthesis 2734

toxicity, insects 2734

Fluorouracil, effects, *Culex quinquefasciatus*, reproduction 3563

Fluvalinate (*N*-[2-chloro-4-(trifluoromethyl)phenyl]-DL-valine cyano(3-phenoxyphenyl)methyl ester) effects

γ -aminobutyric acid, receptors 4041

benzodiazepine, receptors 4042

nervous system 4043

toxicity, *Ctenocephalides felis* 2208

Foleyella candezi

Agama agama, Nigeria 933

vectors, *Culex quinquefasciatus*, transmission 933

Fomede virus, taxonomy, serotaxonomy 4888

Fonofos (*O*-ethyl *S*-phenyl ethylphosphonodithioate)

residues, contamination, protective clothing 805

Food hygiene, arthropod pests, USA 3340

Food industry, pest control 799

Foot and mouth disease, vectors, *Haematobia thirouxii*, mechanical transmission 571

Forcellinia, taxonomy, keys 2017

Forcellinia galleriella, hosts, *Iridomyrmex humilis* 2017

Forcipomyia, taxonomy 554

Forcipomyia balteus, taxonomy, new species 5640

Forcipomyia consortis, taxonomy, new species 5641

Forcipomyia fursura, taxonomy, new species 5641

Forcipomyia gokwe, taxonomy, new species 5641

Forcipomyia guttata, taxonomy, new species 5641

Forcipomyia haroldi, taxonomy, new species 5641

Forcipomyia phlebotomoides, distribution, UK 552

Forcipomyia velox

distribution, Poland 1425

taxonomy, redescription 554

Forcipomyia watshami, taxonomy, new species 5641

Forcipomyia whitcombei

man, Oman 5640

taxonomy, new species 5640

Forensic entomology

aquatic insects, biological indicators, submersion 1718

Boettcherisca peregrina, postmortem interval 1907

Calliphora vicina, morphine 5735

Forensic entomology cont.

Calliphoridae

eggs 1067

larvae, toxicology, assays 5466

Chironomidae, biological indicators, submersion 1717

Chrysomya, organophosphate insecticides 1719

Diptera, larvae, keys 3063

Lucilia sericata, postmortem interval 1076

Megaselia abdita 238

methodology 5467

recording instruments 897

Forests

arthropods

species diversity 891

Thailand 4123

Culicidae

Guinea 2324

Sri Lanka 1814-1815

Glossina, Liberia 4687

Lutzomyia, Bolivia 5194

Sarcophagidae, Czechoslovakia 2402

Tabanidae, Nigeria 1042

Formica, *Listeria*, isolation 1217

Formica aquilonia, urban areas, Finland 5279

Formica cunicularia, *Dicrocoelium lanceolatum*, France 2457

Formica nigricans, *Dicrocoelium lanceolatum*, France 2457

Formica polycetena, urban areas, Finland 5279

Formica pratensis, urban areas, Finland 5279

Formica rufa

prey, *Hypoderma tarandi* 3704

urban areas, Finland 5279

Formica sanguinea, biochemistry, Dufour glands 624

Formicidae

Azadirachta indica, botanical insecticides, effects, reviews 3354

Balkans, checklists 1948, 2459

behaviour

foraging 629, 3781

navigation 3466

mating frequency 3111

brood pheromones 630

control, insecticides 2184

detoxification, sodium fluoroacetate, baits 3132

distribution

Saudi Arabia 3774

USA 3139

ecology, interspecific competition 5278

genetics, gene frequency 1934

larvae, marking 4777

mites, reviews 5280

parasitoids, parasitism 3138

predators 2968

predation 3603

queens, terminology 4776

taxonomy, identification, bibliographies 2462

USA, checklists 275

Formulations

controlled release, pheromones 4006

insecticides, *Pediculus capitis* 40

pesticides, encapsulation, starch 2088

Fowls [*Gallus domesticus*]

Anopheles, Papua New Guinea 1811

Anopheles sacharovi, blood-meals, fecundity 1805

Argas miniatus, feeding 5815

Argas persicus 4296

China 2512

carbamates, effects, esterases 4046

Cuclotogaster heterographa, skin diseases 486

Culicidae

Egypt 1398

Kenya 5530

Sweden 4188

cypermethrin, metabolism 2771

deltamethrin, metabolism 5011

Dermanyssus gallinae, Yugoslavia 672

diazinon, poisoning 4057

Diptera, sampling 5638

Fowls cont.

ectoparasites

India 3179

Malaysia 4579

Nigeria 2185

skin diseases 2654

Spain 5459

fenthion, effects, immune response 5429

fenvaterate, metabolism 4050, 4995

Ixodes, host preferences 4801

Knemidokoptes mutans, skin diseases 694

malathion, effects 836

Megninia ginglymura, Brazil 5878

Menacanthus stramineus, egg production 921

Mesostigmata, Argentina 1149

Metastigmata, IgG 1536

organophosphorus pesticides, toxicity 827

Ornithonyssus sylvium

immune response 3238, 3829

skin diseases 3827

pesticide residues, Kenya 854

Phlebotomus, Egypt 3002

Phlebotomus langeroni, reproduction 5646

Pseudomenopon pilosum 3530

pyrethroids, effects, mixed function oxidase 4044

Foxes

ectoparasites, Romania 1598, 1777

mange, control 1167

Sarcoptes scabiei, skin diseases 1604

France

aquatic insects 1304

bovine leukosis, epidemiology 3638

bovine oncovirus, epidemiology 3902

cattle, Herpesviridae, epidemiology 3905

Chironomidae 1497

Cochliomyia hominivorax 3669

Culex pipiens 4619

Culicidae 2974

Dermatophagoides farinae 5334

Dermatophagoides pteronyssinus 4353

dung beetles 3725-3726

Ehrlichia canis, epidemiology 1199, 5312

Erve virus, epidemiology 2593

fauna, identification 2116

Formica 2457

Hypoderma 5255

Ixodidae 1978, 4295, 5308

leishmaniasis, epidemiology 1219

Oestrus ovis 5253

Rissa tridactyla, ectoparasites 5823

Sciomyzidae 5256

sheep, ectoparasites, control 4961

Simulium 191

Spinturnix nobleti 4318

Tachinidae 592

Thricops tetricus 5693

tickborne diseases, epidemiology 2617

Trypetoptera punctulata 5257

Francisella tularensis

man

Italy 4437

Sweden 3252

Microtus arvalis, Czechoslovakia 293

Oryctolagus cuniculus, Italy 4438

surveillance, serological surveys 1638

taxonomy 2610

vectors

Culicidae, Sweden 4188

Ixodes ricinus, Czechoslovakia 293

Vulpes macrotis, USA 3278

French Guiana

bluetongue virus, epidemiology 3621

malaria, epidemiology 515

Phlebotominae 4103

Tunga penetrans 4591

French Polynesia, dengue virus, epidemiology 3896, 5362-5364, 5369

Freshwater fishes

Crustacea, USSR 2044

parasites, mortality 4868

water mites, USSR 311

Freshwater marshes, *Coquillettia per-turbans*, USA 2302

- Frontopsylla aspiniformis**, small mammals, China 2210
- Frontopsylla frontalis baibacina**, taxonomy, nomenclature 1347
- Frontopsylla frontalis baikal**, taxonomy, synonyms 1347
- Frontopsylla frontalis utia**, taxonomy, nomenclature 1347
- Frontopsylla laeta**, *Delichon urbica*, UK 5098
- Fucellia apicales**, taxonomy, larvae 5692
- Fucellia boninensis**, taxonomy, larvae 5692
- Fucellia chinensis**, taxonomy, larvae 5692
- Fulica americana**, *Pseudomenopon pilosum*, Canada 3530
- Fungal insecticides**
control, insect pests 396
pest control, reviews 2661
- Furbearing animals**
ectoparasites, Romania 1598, 1777
Sarcoptes scabiei, skin diseases 1604
- Fusarium oxysporum**, hosts, *Aedes sierrensis*, pathogenicity 3589
- Fuscuropoda vegetans**, pesticides, nontarget effects 4704
- Fusobacterium necrophorum**, reindeer, control 2248
- Gadgets Gully virus**, man, Australia 5847
- Gahrlepieia dumogaensis**
Paruromys dominator, Indonesia 4325
taxonomy, new species 4325
- Gahrlepieia fulleri**, rodents, Papua New Guinea 4817
- Gahrlepieia lupella**, rodents, Indonesia 4325
- Gahrlepieia saduski**
Apodemus speciosus, Japan 5325
ecology, seasonal abundance 5325
- Galapagos Islands**
Aedes taeniorhynchus 5112
Cryptostigmata 3838
bibliographies 3839
- Gallinago gallinago**, *Rhynonirmus scolopacis*, Italy 3531
- Gallus domesticus** (see Fowls)
- Galumna**, *Moniezia expansa*, Argentina 684
- Gamasodes bispinosus**, hosts, Sphaeroceridae 4313
- Gamasodes spiniger**, hosts, Sphaeroceridae 4313
- Gamasolaelaps excisus**, *Microtus oeconomus*, Poland 673
- Gamasus crassipes**, *Meles meles*, animal burrows, Europe 467
- Gambia**
Anopheles 1825, 4156
Anopheles gambiae 982, 1382
dwellings, arthropods 991
malaria, prophylaxis 2972
public health 1182
Sarcophagidae 2398
- Gambusia affinis**
Anopheles freeborni, predator prey relations 175
behaviour, predation 4629
biology, development 172
control
Anopheles freeborni 2264, 2301
Culex 5531
Culicidae 113, 156, 940, 2265, 4629
ecology, population ecology 125
genetics, population genetics 1394
insecticides, toxicity 1678
prey, *Mesocyclops leuckarti*, predation 2567
rearing techniques 176
rice fields
predator prey relations 931
sampling 126
USA 125
sampling, minnow traps 1011
- Gambusia affinis holbrooki**, biochemistry, amylases 1302
- Gamebirds**, parasites, ecology 4549
- Gamma-BHC** (see Lindane)
- Gamma-HCH** (see Lindane)
- Gamma radiation**
effects
Cochliomyia hominivorax, development 1485
Culex quinquefasciatus, oogenesis 538
Glossina palpalis, midgut 1447
Musca autumnalis 218
- Gammarus pulex**
Polymorphus minutus, effects, behaviour 2569
Pomphorhynchus laevis, cadmium, toxicity 4875
- Gannadas elegans**, *Holophryxus* 5351
- Garmania hypudaei**, *Arvicola terrestris*, nests, Switzerland 4321
- Garra mullaya**, prey, Culicidae, India 539
- Gasterophilidae**, control, insecticides 2755
- Gasterophilus**
control, insecticides 583, 2404, 3699
horses
control, insecticides 3076
myiasis 583, 2404, 2412
plant extracts, toxicity 5252
Gasterophilus haemorrhoidalis, horses, Australia 3710
Gasterophilus inermis, horses, myiasis 5752
Gasterophilus intestinalis
biochemistry, proteins 5747
control
anthelmintics 3700
insecticides 1488, 3709, 5749
donkeys, Zimbabwe 1490
horses
Australia 3698
myiasis 1488, 3709, 5749, 5752
South Africa 1083
morphology
larvae
mouthparts 2408
spiracles 3708
Gasterophilus nasalis
control, insecticides 3709
donkeys, Zimbabwe 1490
horses
Australia 3698
Chile 3697
myiasis 3709, 5752
South Africa 1083
Gasterophilus pecorum
horses
myiasis 5752
South Africa 1083
Gasterosteus aculeatus
Argulus canadensis
Canada 3869
host parasite relationships 336
parasitism, temperature 3867
Gasterosteus wheatlandi
Argulus canadensis
Canada 3869
host parasite relationships 336
parasitism, temperature 3867
- Gastrointestinal diseases**
Astigmata, man 5865
Boettcherisca peregrina, man 1484
- Gastropoda**, entomophilic nematodes 3972
- Gaza**, trachoma, epidemiology 1201
- Geckobia andoharonomaitsoensis**
Phelsuma, Madagascar 2003
taxonomy, new species 2003
- Geckobia bataviensis**
distribution, Vietnam 2003
taxonomy, redescription 2003
- Geckobia ifanadianaensis**
Phelsuma, Madagascar 2003
taxonomy, new species 2003
- Geckobia mananjaryensis**
Phelsuma, Madagascar 2003
taxonomy, new species 2003
- Geckobia samambayensis**
Hemidactylus frenetus, Madagascar 2003
taxonomy, new species 2003
- Geckobia tasmani**, *Hemidactylus mabouia*, Tanzania 3880
- Genetic control**
Diptera 4498
Lucilia cuprina 5720
mathematical models 1245
- Genetic control cont.**
satyrns, models 1657
- Genetics**
Aedes, mating, reproductive isolation 5156
Aedes aegypti
molecular genetics, ribosomes, genes 1007
mutants 3608
Aedes albopictus
enzymes, gene mapping 1370
genomes, phenotypic correlation 1012
population genetics 3604
ribosomes, DNA, genetic variation 1395
Aedes togoi, biochemical genetics 939
Aedes triseriatus, biochemical genetics, inbreeding 3570
Anopheles
cytogenetics 3564, 5622
DNA, analytical methods 79
Anopheles arabiensis, cytogenetics 5626
Anopheles culicifacies, cytogenetics 1003
Anopheles freeborni, genetic markers, inheritance 2270
Anopheles gambiae
cytogenetics 2334
esterases, gene expression 2331
rDNA
genetic variation 1826
nucleotide sequences 1825
Anopheles minimus, sibling species, population genetics 2316
Anopheles quadrimaculatus
biochemical genetics 3560
crossing over 3606
sibling species
biochemical genetics 5527
hybrid sterility 1812
Anopheles sinensis, cytogenetics 1411
Apis mellifera, enzyme polymorphism 1506
Blattella germanica, mutants 5059
Buthidae, cytogenetics 3864
Calliphora vicina
molecular genetics, genes, caliphorins 1893
mutants 1478
Chironomidae, karyotypes 2419
Chironomus riparius
enzymes, genetic polymorphism 2422
hybridization, gonadal dysgenesis 1097
molecular genetics, histones 1922
Cochliomyia hominivorax, mutants, linkage 3693
Coelopa frigida, population genetics 1920
Coleoptera, cytogenetics 2429
Culicoides variipennis, biochemical genetics 2997
Dermacentor, cytogenetics 5294
Diptera, crossing over 2929
Drosophila
chromosome maps 3403-3404
chromosomes, genes 462
Drosophila melanogaster
aging 889
gene regulation, sexual behaviour 1301
Formicidae, karyotypes 634
Glossina morsitans
gene mapping 2375, 5218
hybridization
fertility 3640
sterility 198
population genetics 5217
Glossina pallidipes, biochemical genetics 5214
Glossina palpalis, mutants 4209
Glyptotendipes barbipes, chromosomes, heterochromatin 1091
Heteroptera, chromosomes, evolution 4144
Hybomitra arpadi, karyotypes 563
Hydrotaea irritans, cytogenetics 209
Hymenoptera, gene frequency 1934

Genetics cont.

- Lutzomyia*, karyotypes 1018
Musca domestica
 genetic bottlenecks 5712
 molecular genetics 2144
Muscidifurax raptorellus
 behaviour, inheritance 3114
 inheritance, behaviour, oviposition 3763
Necrobia, karyotypes 252
Parasarcophaga, chromosomes 1074-1075
Parasarcophaga crassipalpis, mutants 1080
Periplaneta americana, cytogenetics 27
Periplaneta brunnea, cytogenetics 26
Phlebotomus, biochemical genetics 5188
Pogonomyrmex, karyotypes 627
 population genetics, books 4105
Pseudodiamesa branickii, cytogenetics 242
Pulex irritans, cytogenetics 61
Rhipicephalus, genetic variation 1140
Rhipicephalus sanguineus, karyology 3801
Urodacus, cytogenetics 3865
Xenopsylla cheopis, cytogenetics 60
Geochelone pardalis, *Amblyomma*, South Africa 5849
- Geographical distribution**
Chrysomya bezziana, models 1066
Culicoides, Poland 555
Sciomyzidae, Poland 593
- Geomydoecus actuosi***
 genetics, biochemical genetics 2897
Thomomys, USA 2897
- Geomydoecus alcorni***
Pappogeomys alcorni, Mexico 2900
 taxonomy, redescription 2900
- Geomydoecus alleni***
Orthogeomys grandis, America 1326
 taxonomy, redescription 1326
- Geomydoecus betleyae***
 taxonomy, new species 2902
Thomomys, North America 2902
- Geomydoecus biagiae***
 taxonomy, new species 2902
Thomomys, North America 2902
- Geomydoecus bulleri bulleri***
Pappogeomys bulleri, Mexico 2901
 taxonomy, redescription 2901
- Geomydoecus bulleri intermedius***
Pappogeomys bulleri, Mexico 2901
 taxonomy, new subspecies 2901
- Geomydoecus bulleri melanuri***
Pappogeomys bulleri, Mexico 2901
 taxonomy, new subspecies 2901
- Geomydoecus burti***
Pappogeomys bulleri, Mexico 2901
 taxonomy, new species 2901
- Geomydoecus chiapensis***
Orthogeomys grandis, America 1326
 taxonomy, redescription 1326
- Geomydoecus coronadoi coronadoi***
Pappogeomys merriami, Mexico 2900
 taxonomy, new subspecies 2900
- Geomydoecus coronadoi saccharalis***
Pappogeomys merriami, Mexico 2900
 taxonomy, new subspecies 2900
- Geomydoecus coronadoi submerriami***
Pappogeomys merriami, Mexico 2900
 taxonomy, new subspecies 2900
- Geomydoecus craigi***
 taxonomy, new species 2902
Thomomys, North America 2902
- Geomydoecus dakotensis***
 taxonomy, redescription 2902
Thomomys, North America 2902
- Geomydoecus duchesnensis***
 taxonomy, redescription 2902
Thomomys, North America 2902
- Geomydoecus fuchsi***
 taxonomy, new species 2902
Thomomys, North America 2902
- Geomydoecus fulvescens***
Pappogeomys merriami, Mexico 2900
 taxonomy, redescription 2900
- Geomydoecus jonesi***
Orthogeomys grandis, America 1326
 taxonomy, redescription 1326

Geomydoecus mcgregori

- Pappogeomys fumosus*, Mexico 2900
 taxonomy, redescription 2900
- Geomydoecus merriami***
Pappogeomys tylosrhinus, Mexico 2900
 taxonomy, redescription 2900
- Geomydoecus mexicanus***
Pappogeomys merriami, Mexico 2900
 taxonomy, redescription 2900
- Geomydoecus minor***
 genetics, biochemical genetics 2897
Thomomys, USA 2897
- Geomydoecus nadleri***
Pappogeomys bulleri, Mexico 2901
 taxonomy, new species 2901
- Geomydoecus perotensis irolonis***
Pappogeomys merriami, Mexico 2900
 taxonomy, redescription 2900
- Geomydoecus perotensis perotensis***
Pappogeomys merriami, Mexico 2900
 taxonomy, redescription 2900
- Geomydoecus polydentatus angustirostris***
Pappogeomys tylosrhinus, Mexico 2900
 taxonomy, new subspecies 2900
- Geomydoecus polydentatus polydentatus***
Pappogeomys zinseri, Mexico 2900
 taxonomy, new subspecies 2900
- Geomydoecus pygacanthi***
Orthogeomys grandis, America 1326
 taxonomy, new species 1326
- Geomydoecus thaeleri***
 taxonomy, new species 2902
Thomomys, North America 2902
- Geomydoecus thomomys***
 genetics, biochemical genetics 2897
 taxonomy, redescription 2902
Thomomys
 North America 2902
 USA 2897
- Geomydoecus traubi***
Pappogeomys merriami, Mexico 2900
 taxonomy, redescription 2900
- Geomydoecus trichopi***
 taxonomy, redescription 2900
Zygoeomys trichopus, Mexico 2900
- Geomydoecus veracruzensis***
Pappogeomys merriami, Mexico 2900
 taxonomy, redescription 2900
- Geomydoecus wardi***
 genetics, biochemical genetics 2897
Thomomys, USA 2897
- Geomydoecus wernecki planiceps***
Pappogeomys tylosrhinus, Mexico 2900
 taxonomy, new subspecies 2900
- Geomydoecus wernecki wernecki***
Pappogeomys zinseri, Mexico 2900
 taxonomy, new subspecies 2900
- Geothlypis trichas***, *Ixodes dammini*, USA 2478
- Geotrichum klebahnii***, hosts, *Aedes sierrensis*, pathogenicity 3589
- Geotrupes auratus***, morphology, eyes 3099
- Geotrupes ibericus***, faeces, Spain 4259
- Geotrupes laevistriatus***, carrion, Japan 600
- Geotrupes semiopacus***, ecology, seasonal abundance 1927
- Geotrupes splendidus splendidus***, ecology, seasonal abundance 1927
- Geoxus valdivianus***, *Ctenoparia inopinata*, Chile 4363
- Gerbillurus vallisus***, *Yersinia pestis*, South Africa 5376
- Gerbillus dasyurus***, *Rhipicephalus turanicus*, Saudi Arabia 5807
- German Democratic Republic**
Achaeearanea tabulata 2557
 cellars, arthropods 2435
 Chiroptera, ectoparasites 304
Choriopsis bovis 1610
 Diptera, collections 5523
Haematopinus suis 1335
 insects, books 866
Musca domestica 2387-2388, 5700
 Orthopteroidea 1721-1722
 pesticide residues, lanolin 4078
Sarcoptes scabiei 1606, 4841
 Simuliidae 2364
 Siphonaptera 5517
- German Federal Republic**
Aedes vexans 3899
 aquatic insects 1494

German Federal Republic cont.

- Babesia*, epidemiology 3794
 babesiosis, epidemiology 2634
Capreolus capreolus, ectoparasites 2048
 cattle, Diptera 206
Chaoborus flavicans 1493
 Chironomidae 3087
 Coleoptera 1929
Culex torrentium 4606
 delusory parasitoses 19, 5055
Dermacentor marginatus 2490
Dermatophagoides 2526
Dermatophagoides pteronyssinus 1161
 fauna, identification 2116
 house dust mites 2532, 2535
 insects, books 866
Ixodes arboricola 4792
Ixodes ricinus 4802, 5288
Linguatula 3884
 Lyme disease, epidemiology 1202
Oestrus ovis 4732
Otodectes cynotis 4847
 pesticide residues, water, legislation 4080
 Phoridae 5769
 pigs, ectoparasites 2543
Prosimulium 3028
Sarcoptes scabiei 2115
 Simuliidae 184, 192
Simulium 2360, 4202
Simulium erythrocephalum 4204
 storage mites 2531
 tickborne encephalitis virus, epidemiology 1191
Vespa crabro 1949
- Germiston virus**
Aedes albopictus, cell lines, detection, DNA probes 4400
 epidemiology, reviews 728
- Gerridae**
 marshes, Canada 55
 taxonomy, keys, British Isles 56
- Gerris odontogaster***, Trypanosomatidae 2072
- Gerris paludum insularis***, dimorphism, environmental factors 5093
- Gerris swakopenensis***, behaviour, cannibalism 4590
- Gerris thoracicus***, behaviour, cannibalism 4590
- Getah virus**, epidemiology, reviews 735
- Ghana**
 Ixodidae 4813
Onchocerca volvulus, epidemiology 3037
 onchocerciasis, epidemiology 2652
Periplaneta americana 2880
Sarcoptes scabiei 4358
Simulium sanctipauli 4679
Simulium sirbanum 1440
- Giardia lamblia***, vectors, insects, mechanical transmission 368
- Gigantodax abalosi***, taxonomy, redescription 3635
- Gigantodax antarcticus***
 Microspora, Argentina 1027
 taxonomy, redescription 3635
- Gigantodax aquamarensis***, taxonomy, redescription 3635
- Gigantodax araucanus***, taxonomy, redescription 3635
- Gigantodax arariteorum***, taxonomy, new species 3635
- Gigantodax awa***, taxonomy, new species 3635
- Gigantodax basinflatus***, taxonomy, new species 3635
- Gigantodax bettyae***, taxonomy, redescription 3635
- Gigantodax bierigi***, taxonomy, new species 5204
- Gigantodax bolivianus***, taxonomy, redescription 3635
- Gigantodax bonorinorum***, taxonomy, nomenclature 3635
- Gigantodax bonorinorus***, Microspora, Argentina 1027
- Gigantodax brevis***, taxonomy, new species 3635

- Gigantodax brophyi*, taxonomy, redescription 3635
- Gigantodax carmenae*, taxonomy, new species 3635
- Gigantodax cervicornis*, taxonomy, redescription 3635
- Gigantodax chacabamba*, taxonomy, new species 3635
- Gigantodax chilensis*
Microspora, Argentina 1027
taxonomy, redescription 3635
- Gigantodax cilicinus*, taxonomy, new species 3635
- Gigantodax clandestinus*, taxonomy, new species 3635
- Gigantodax cormonsi*, taxonomy, new species 3635
- Gigantodax corniculatus*, taxonomy, redescription 3635
- Gigantodax cortesi*, taxonomy, new species 3635
- Gigantodax cypellus*, taxonomy, new species 3635
- Gigantodax destitutus*, taxonomy, new species 3635
- Gigantodax dryadicaudicis*, taxonomy, new species 3635
- Gigantodax eremicus*, taxonomy, new species 3635
- Gigantodax femineus*, taxonomy, redescription 3635
- Gigantodax flabellus*, taxonomy, new species 3635
- Gigantodax fulvescens*
Microspora, Argentina 1027
taxonomy, redescription 3635
- Gigantodax gracilis*, taxonomy, new species 3635
- Gigantodax herreri*, taxonomy, new species 3635
- Gigantodax horcotiani*, taxonomy, redescription 3635
- Gigantodax igniculus*, taxonomy, redescription 3635
- Gigantodax impossibilis*, taxonomy, redescription 3635
- Gigantodax incapucara*, taxonomy, new species 3635
- Gigantodax inomitatus*, taxonomy, new species 3635
- Gigantodax jatunchuspi*, taxonomy, new species 3635
- Gigantodax kuscheli*, taxonomy, redescription 3635
- Gigantodax laevigatus*, taxonomy, new species 3635
- Gigantodax lazoi*, taxonomy, new species 1439
- Gigantodax leonorum*, taxonomy, new species 3635
- Gigantodax luispenai*, taxonomy, new species 3635
- Gigantodax marginalis*, taxonomy, redescription 3635
- Gigantodax mariobordai*, taxonomy, new species 3635
- Gigantodax minor*, taxonomy, new species 3635
- Gigantodax misitu*, taxonomy, new species 3635
- Gigantodax multifilis*, taxonomy, new species 3635
- Gigantodax multituberculatus*, taxonomy, new species 3635
- Gigantodax nasutus*, taxonomy, new species 3635
- Gigantodax nigrescens*, taxonomy, nomenclature 3635
- Gigantodax ortizi*, taxonomy, redescription 3635
- Gigantodax paramorum*, taxonomy, new species 3635
- Gigantodax patihuaycensis*, taxonomy, new species 3635
- Gigantodax pennipunctus*, taxonomy, redescription 3635
- Gigantodax philippianus*, taxonomy, nomenclature 3635
- Gigantodax praealtus*, taxonomy, new species 3635
- Gigantodax punapi*, taxonomy, new species 3635
- Gigantodax rufescens*
Microspora, Argentina 1027
taxonomy, redescription 3635
- Gigantodax rufidulum*, Microspora, Argentina 1027
- Gigantodax rufidulus*, taxonomy, new species 3635
- Gigantodax rufinotus*, taxonomy, nomenclature 3635
- Gigantodax septenarius*, taxonomy, new species 3635
- Gigantodax shannoni*, taxonomy, redescription 3635
- Gigantodax siberianus*, taxonomy, new species 3635
- Gigantodax trifidus*, taxonomy, new species 3635
- Gigantodax viannamartinsi*, taxonomy, redescription 3635
- Gigantodax vulcanius*, taxonomy, new species 3635
- Gigantodax willei*, taxonomy, new species 5204
- Gigantodax wrighti*, taxonomy, redescription 3635
- Gigantodax wygodzinskyi*, taxonomy, redescription 3635
- Gigantodax zumbahuae*, taxonomy, new species 3635
- Giraffa camelopardalis*, *Amblyomma*, South Africa 5832
- Gliocladium roseum*, hosts, Acari 2705
- Gliricoptes*, taxonomy, keys, Poland 696
- Gliricoptes muscardinus*, *Muscardinus avellanarius*, Poland 696
- Glis glis*, *Ixodes*, Yugoslavia 4795
- Glossina* 5022
attractants 4205
bait traps 4205
behaviour, host-seeking behaviour 5215
cattle, Kenya 1451
control
books 5444
insecticides 1451
Kenya 4690
man, attitudes, Congo 1047
models 4462-4463, 4467
sterile insect release 3337
Tanzania, research 3047
trapping 4498
woodland areas, clear felling, regeneration 5017
man 4214
taxonomy, identification, chemotaxonomy 3444
trapping, books 1872
- Trypanosoma*
control 565
Kenya 4691
models, conferences 4523
transmission 2371, 4446
models 4464-4465
Zaire 200
- Trypanosoma brucei*
infections 5390
transmission 4214
- Trypanosoma gambiense*, Congo 1046
vectors, *Trypanosoma gambiense*, Angola 3046
- Glossina austeni*
age determination 3049
rickettsia-like organisms 564
- Trypanosoma*
detection, DNA probes 4693
Kenya 4692
- Glossina austeni austeni*, taxonomy 5689
- Glossina austeni mossurizensis*, taxonomy 5689
- Glossina brevipalpis*
age determination 3049
Trypanosoma, Kenya 4692
- Glossina fuscipes*, *Trypanosoma brucei*, Kenya 1876
- Glossina fuscipes fuscipes*, hosts, Uganda 567
- Glossina longipennis*, control, trapping 5687
- Glossina morsitans*
biochemistry, proline, biosynthesis 1863
- Glossina morsitans cont.*
cattle, Mozambique 1450
cell lines, *Trypanosoma*, infections 2632-2633
control 5688
insecticides 5422
insecticides, deposition, droplet studies 3043
livestock, Mozambique 5688
- Trypanosoma*
infections, genetic exchange 4935
susceptibility 4208
- Trypanosoma brucei*, infections 2372
- Trypanosoma rhodesiense*, infections 3639
- Glossina morsitans centralis*
genetics
hybridization, fertility 3640
population genetics 5217
rickettsia-like organisms 564
- Trypanosoma*, transmission 4688
- Glossina morsitans morsitans*
age determination 3049
anatomy, muscles, eclosion 1788
attractants, responses 2373
behaviour
host-seeking behaviour 1865-1866, 1870, 3050
landing 2377
mating behaviour 1867, 1874
- cattle
sebum, attractants 1050
Zimbabwe 1865-1866, 1874, 3050
- electrocuting grids, sampling 3048
entomogenous fungi, pathogenicity 5219
- genetics
gene mapping 2375
hybridization
fertility 3640
sterility 198
- parasitoids 3051
- physiology
chemoreception 2373
hormones 3641
immune system 197, 1446, 2374
neuroendocrine system 1869
vision 1875
- pyriproxyfen, effects, reproduction 4210
rearing techniques 5690
rickettsia-like organisms 564
sex pheromones, behaviour 1873
symbionts 1446
traps 1874
- Trypanosoma*
infections 2374
transmission 4688
- Trypanosoma congolense*
drug resistance, transmission 3052
infection 1878
transmission, drug resistance 2370
- Trypanosoma gambiense*, xenodiagnosis 4689
- Trypanosoma rhodesiense*, mechanical transmission 1879
- tsetse screens 1050
orientation 1870
ultrastructure, eyes 1875
- Glossina morsitans submorsitans*
genetics
gene mapping 5218
hybridization, sterility 198
rickettsia-like organisms 564
- Glossina nigrofusca nigrofusca*
ecology, seasonal abundance 4687
hosts, Liberia 4687
- Trypanosoma*, Liberia 4687
- Glossina pallicera pallicera*
ecology, seasonal abundance 4687
hosts, Liberia 4687
- Trypanosoma*, Liberia 4687
- Glossina pallidipes*
age determination 3049
attractants 569
behaviour
host-seeking behaviour 1865-1866, 1870, 3050
mating behaviour 1867, 1874, 2376, 5216
- cattle
Mozambique 1450

- Glossina pallidipes* cont.
cattle cont.
sebum, attractants 1050
Zimbabwe 1865-1866, 1874, 3050
control 5688
insecticides 1448
trapping 5687
ecology
environmental factors 4212
mortality 4213
population ecology, models 4207
electrocuting grids, sampling 3048
genetics, biochemical genetics 5214
livestock, Mozambique 5688
monitoring, traps 4211-4212
physiology, reproduction, ovarian development 5216
predators, predation 4213
rearing techniques 2376
rickettsia-like organisms 564
trapping, odours 1048
traps 1874
biconical traps, efficacy 569
- Trypanosoma*
detection, DNA probes 4693
infection 3642
Kenya 1045, 4692
Trypanosoma brucei, Kenya 1876-1877
Trypanosoma congolense, infections 1445
Trypanosoma rhodesiense, Kenya 1448
tsetse screens 1050
orientation 1870
virus-like particles 3642
pathogenesis 3643
- Glossina palpalis*
surveillance, remote sensing 2862
Trypanosoma, susceptibility 4208
Trypanosoma gambiense, Ivory Coast 4206
- Glossina palpalis gambiense*
control, insecticides 1871
gamma radiation, effects, midgut 1447
rickettsia-like organisms 564
Trypanosoma, transmission 4215
- Glossina palpalis palpalis*
behaviour, colours, orientation 199
control
trapping 5220
evaluation 1051
tsetse targets, colour 568
ecology, seasonal abundance 4687
gamma radiation, effects, midgut 1447
genetics, mutants 4209
hosts, Liberia 4687
physiology
feeding 1864
vision 1875
rearing techniques 4686
rickettsia-like organisms 564
trapping, traps 199
Trypanosoma, Liberia 4687
Trypanosoma brucei, infection 4209
Trypanosoma congolense, infection 566
ultrastructure, eyes 1875
- Glossina tachinoides*
behaviour, feeding behaviour 1049
rickettsia-like organisms 564
surveillance, remote sensing 2862
- Glossophaga soricina*, *Periglischrus caligus*, Brazil 3188
- Glycyphagus*, house dust, Hawaii 3199
- Glycyphagus destructor* (see *Lepidoglyphus destructor*)
- Glycyphagus domesticus*
buildings, Netherlands 317
grain stores, UK 1158
man, allergies 1158, 2531, 4342, 4832
- Glycyphagus hypuadei*, *Neomys*, Poland 2547
- Glycyphagus hypuadei*
Crocidura leucodon, Poland 1993
ecology, seasonal abundance 5856
Microtus pinetorum, USA 284
Muridae, Spain 5856
Sorex alpinus, Poland 1523
- Glycyphagus privatus*, man, allergies 4339
- Glyphorhynchus spirurus*, *Kaysius emersoni*, Peru 2896
- Glyphosate*, toxicity, *Chironomus riparius* 3090
- Glyptolaspis*, animal manures, Iraq 4818
- Glyptolaspis zaheri*
manure, Egypt 4310
prey, *Musca domestica* 4310
taxonomy, new species 4310
- Glyptocephalus cynoglossus*, *Haemobaphes cyclopterina*, North Sea 338
- Glyptotendipes*, sewage effluent, Japan 245
- Glyptotendipes barbipes*, genetics, chromosomes, heterochromatin 1091
- Glyptotendipes paripes*
growth regulators, toxicity 120
lakes, USA 1391
- Gnathia albescens*, taxonomy, redescription 3227
- Gnathia bacescoi*, marine fishes, Black Sea 2043
- Gnathia oxyure*, marine fishes, Black Sea 2043
- Gnathiidae*, taxonomy, checklists 341
- Gnathocerus cornutus*, poultry housing, South Africa 601
- Gnathoncus rotundatus*, pesticides, nontarget effects 4704
- Gnathoncus schmidtii*, bird's nests, Czechoslovakia 3751
- Gnathopogon caeruleus*, organophosphorus insecticides, bioconcentration 5005
- Gnus decimatus* (see *Simulium decimatum*)
- Gnus tumnum*
rivers, USSR 2363
taxonomy, new species 2363
- Goats (*Capra hircus*)
Aedes durbanensis, South Africa 505
akabane virus, Arabian Peninsula 346
Amblyomma, South Africa 5832
Amblyomma americanum, USA 3812
Amblyomma hebraeum, South Africa 5841, 5844
Amblyomma variegatum, effects, liveweight gain 646
bluetongue virus, Mexico 2577
bovine oncovirus 1443
Calliphoridae, New Zealand 3071
carbofuran, metabolism 5008
Cowdria ruminantium, Zimbabwe 1545
Culicidae, Egypt 1398
Culicoides, French Guiana 3621
dichlorvos, poisoning 1674
ectoparasites
India 3179
Spain 5459
ethion, effects, blood chemistry 4054
fenvalerate, toxicity 2782
Hyalomma aegyptium, India 3150
Hyalomma arabica, Saudi Arabia 5301
insecticides, effects, acetylcholinesterase 5004
- Ixodidae
Spain 5825
Yugoslavia 3627, 5821
- Oestrus ovis*
India 5746
myiasis 5750
organophosphorus insecticides, effects, blood chemistry 4055
- Palyam serogroup viruses, South Africa 1184
- parasites, Kenya 3855
- parasitoses, conferences 2831
- Phlebotominae, India 559
- Phlebotomus*, Egypt 3002
- Phthiraptera, Greece 920
- Przhevalskiana silenensis*, myiasis 5754
- Psoroptidae, ectoparasitoses, epidemiology 4848
- reservoir hosts, heartwater 5836
- Rhipicephalus*, Yemen Arab Republic 1979
- Rhipicephalus turanicus*, Saudi Arabia 5807
- Sarcoptes scabiei*
Indonesia 4845
Nigeria 3853
skin diseases 3851
- tefluthrin, metabolism 2765
- Trypanosoma congolense*, Congo 1051
- vectors, control, India 3243
- West Nile virus, Nigeria 5372
- Goeldichironomus holoprasinus*, growth regulators, efficacy 1086
- Gohieria fusca*
buildings, Poland 1595
house dust, India 5328
man, allergies 4339, 5328
- Gokilaht* (see *Cyphenothrin*)
- Golunda ellioti*, *Xenopsylla cheopis*, India 2205
- Gomoka virus*, taxonomy, serotaxonomy 4888
- Goniocotes chrysocephalus*, *Phasianus colchicus*, Poland 1327
- Goniocotes gallinae*
fowls
Malaysia 4579
Nigeria 2185
- Goniodes dissimilis*, fowls, Malaysia 4579
- Goniodes gigas*, fowls, Nigeria 2185
- Gopherus polyphemus*
animal burrows, *Acrolophus pholeter*, USA 3106
Ornithodoros turicata, USA 1539
- Gough Island, *Arctocepalus tropicalis*, endoparasites 5318
- Grain stores, storage mites, UK 1158
- Gram positive bacteria, vectors, *Hydrotaea irritans*, Denmark 1474
- Graptocleptes*, prey, Triatominae 48
- Grasslands, insects, burning 12
- Grassomyia dreyfussi*
control, impregnated fabrics 1021
dwellings, Burkina Faso 1021
- Grassomyia squamipleuris*, dwellings, Burkina Faso 1021
- Great Island virus
pathogenicity, genetics 4396
taxonomy
chemotaxonomy 2590
molecular genetics 2598
serotaxonomy 2588, 4398
- Greece
dogs, parasites 3885
Formicidae, checklists 2459
Helicophagella novercoides 2398
Leishmania, epidemiology 3296
Mesobuthus gibbosus 4368
Minilimosina 5757
Phlebotominae 3295
Phthiraptera 920
Rickettsia typhi, epidemiology 4444
- Greenland
archaeology, arthropods 5056
Culicidae 2299
Hypoderma tarandi 4734
Siphonaptera 5097
- Grenada, scabies, epidemiology 5872
- Greniera rivi*, morphology, eyes, host range 3027
- Gromphadorhina portentosa*
biochemistry, corpora cardiaca, peptides 33
entomophilic nematodes 2711
- Group C viruses, epidemiology, reviews 736
- Gryllidae, *Azadirachta indica*, botanical insecticides, effects, reviews 3354
- Grylloides sigillatus*, dwellings, Gambia 991
- Grylloides supplicans*
distribution, USA 5796
ecology, habitats 5796
- Gryon linschostei*, hosts, Triatominae 48
- Gryon triatomae*, hosts, Triatominae 48
- Guadeloupe
Amblyomma 5834
Amblyomma variegatum 645
- Guam, Culicidae 507
- Guama viruses, epidemiology, reviews 736
- Guatemala
Anopheles albimanus 2971, 4614
Anopheles parapatensis 4181
Anophelinae, taxonomy, keys 4617
Aralichus porrectus 3213
Chagas' disease, epidemiology 49
Cochliomyia hominivorax 3065
Culex 3583, 4180
Culex taeniopus 4185
Geomydoecus 1326
Simulium metallicum 3633, 5203
Simulium ochraceum 3026

- Haematobosca stimulans* cont.
control, insecticides 213
- Haematomyzus elephantis*, taxonomy, morphotaxonomy 5480
- Haematophagous arthropods*, ecology, host parasite relationships 444
- Haematophagous insects*, man, skin diseases 2065
- Haematopinus*
cattle, control, insecticides 5801
control, insecticides 3179-3180
livestock, India 3179-3180
- Haematopinus asini*
control, insecticides 485
horses, Argentina 485
- Haematopinus eurysternus*
cattle, skin diseases 488
control, insecticides 488
- Haematopinus suis*
control, insecticides 1335, 2543, 4844
morphology, sense organs 1331
pigs
German Federal Republic 2543
skin diseases 1335
- Haematopota*
behaviour, feeding behaviour 1861
cattle, USSR 1861
distribution
Japan 5670
Turkey 2368
water reservoirs, USSR 1849
- Haematopota abyssinica*, distribution, Saudi Arabia 4685
- Haematopota angolensis*, taxonomy, new species 5683
- Haematopota bigoti*, distribution, Portugal 5680
- Haematopota chongoroiensis*, taxonomy, new species 5683
- Haematopota decora*, Nigeria 1042
- Haematopota guineensis*, forests, Nigeria 1042
- Haematopota italica*
cattle, German Federal Republic 206
distribution, Portugal 5675, 5677, 5680
forests, USSR 195
- Haematopota lewisi*, distribution, Angola 5683
- Haematopota narayaniensis*, taxonomy, new species 5671
- Haematopota ocelligera*, distribution, Portugal 5674, 5677
- Haematopota pachycera*, livestock, Thailand 5103
- Haematopota pallidipennis*, grasslands, Nigeria 1042
- Haematopota pandazizi*, distribution, Portugal 5679
- Haematopota pluvialis*
cattle, German Federal Republic 206
distribution, Portugal 5682
entomophilic nematodes 3969
- Haematopota pluvialis pluvialis*, forests, USSR 195
- Haematopota pseudolusitanica*, distribution, Portugal 5674
- Haematopota ribeirorum*, taxonomy, new species 5680
- Haematopota scutellata*, distribution, Portugal 5675
- Haematopota serranoi*, taxonomy, new species 5679
- Haematopota tamerlani*, cattle, Japan 5213
- Haematopota tristis*
cattle, Japan 5213
ecology, seasonal abundance 5213
- Haemobaphes cyclopterina*, *Glyptocephalus cynoglossus*, North Sea 338
- Haemodipsus lyriocephalus*, *Lepus capensis*, Spain 2468
- Haemogamasus ambulans*, small mammals, Poland 5316
- Haemogamasus bregetovae*
Clethrionomys glareolus, Poland 1590
small mammals, Poland 5316
- Haemogamasus hirsutosimilis*
rodents, USSR 4290
small mammals, Poland 5316
- Haemogamasus hirsutus*
Arvicola terrestris, nests, Switzerland 4321
rodents, USSR 4290
small mammals, Poland 5316
- Haemogamasus horridus*
rodents, USSR 4290
small mammals, Poland 5316
Sturnus vulgaris, Poland 1995
- Haemogamasus liponyssoides*, small mammals, Poland 5316
- Haemogamasus nidi*
Arvicola terrestris, nests, Switzerland 4321
rodents, USSR 4290
small mammals
Czechoslovakia 307
Poland 5316
- Haemogamasus pontiger*, small mammals, Poland 5316
- Haemogregarina*, vectors, Culicidae, transmission 4930
- Haemoproteus columbae*, vectors, *Pseudolynchia canariensis*, Egypt 2635
- Haemoproteus meleagridis*, vectors, *Culicoides edeni*, infections 3930
- Haemorrhagic fevers*
disease agents 4384
man
control 4394
diagnosis 4392
- Haffi** (see Carbaryl)
- Hafnia alvei*, Silphidae, isolation 1502
- Haiti**
Culex quinquefasciatus 3581, 4654
Lyme disease, epidemiology 3248
Ornithodoros puertoricensis 2486
Wuchereria bancrofti, epidemiology 518
- Halacaridae**
bibliographies 3831
taxonomy, genera 4324
- Halcyon winchelli*, *Odontacarus mahaplagensis*, Philippines 2004
- Halictidae**, parasitoids 1938
- Halipeurus pelagicus*
ecology, host parasite relationships 4575
Hydrobates pelagicus, UK 4575
- Halipilidae**, marshes, Canada 246
- Haliplus immaculicollis*, *Bacillus thuringiensis*, pathogenicity 77
- Hammerschmidtella diesingi*
hosts, *Periplaneta americana* 1720
morphotaxonomy 4490
eggs 4491
- Haplochthoniidae**
control, environmental management 323
dwellings, Japan 323
- Hart Park virus**
birds, USA 349
Culicidae, USA 107
vectors, *Culex*, USA 2297
- HCH** (1,2,3,4,5,6-hexachlorocyclohexane)
control
Anopheles 1365, 2294, 3611
Anopheles culicifacies 995
Triatoma infestans 5504
Triatoma sordida 5505
effects, rats, nervous system 2779
mutagenicity, man 844
residues
air, Sweden 2796
human milk, Finland 1691
lanolin, German Democratic Republic 4078
man
Brazil 842
Costa Rica 5441
milk 4075
India 4083
waste water, analytical methods 437
- γ -HCH (see Lindane)
- α -HCH
histamine, release 5966
residues
human milk, Italy 2790
lanolin 1692
- β -HCH
histamine, release 5966
residues
human milk, Italy 2790
lanolin 1692
- Heard and McDonald Islands**, Coleoptera 3091
- Heartwater** (see also *Cowdria ruminantium*)
- Heartworm** (see also *Dirofilaria immitis*)
- Hebridae**
marshes, Canada 55
taxonomy, keys, British Isles 56
- Heizmannia*, Australasia, catalogues 4098
- Heizmannia greenii*
man, Sri Lanka 1386
taxonomy, redescription 1386
- Heleomyzidae**, animal burrows, UK 4245
- Heliconia caribaea*, Culicidae, Venezuela 5592
- Heliconia imbricata*, bracts, Culicidae, Costa Rica 3572
- Heliconia marginata*, Culicidae, Venezuela 5592
- Helicophagella melanura*
cattle dung, China 5718
distribution, Pakistan 5731
- Helicophagella novercoides*, taxonomy, females 2398
- Helicophagella rohdendorfi*, taxonomy, nomenclature 5731
- Heliopsis longipes*, extracts, Diptera 5252
- Helochares*, prey, *Culex tarsalis* 1818
- Helodon multicaulis* (see *Prosimulium multicaulis*)
- Hemicnetha ussovae*
rivers, USSR 2363
taxonomy, new species 2363
- Hemidactylus frenetus*, *Geckobia samambavyensis*, Madagascar 2003
- Hemidactylus mabouia*, parasites, Tanzania 3880
- Hemiptera**
man, allergies, reviews 3306
taxonomy
keys, USSR 2820
types, Chile 4526
- Hemipyrrellia liguriensis*
distribution, Bangladesh 5730
ecology, larvae, interspecific competition 3687-3688
- Hemipyrrellia tagaliana*, Nematoda, Malaysia 3072
- HEOD** (see Dieldrin)
- Hepatitis B virus**
vectors
Baculovirus 1225
Culex quinquefasciatus
infection 5129
vertical transmission 992
Culicidae, transmission, reviews 5111
- Hepatocystis levinei*, vectors, *Culicoides nubeculosus*, development 3929
- Heptachlor** (1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene)
dwellings, USA 2807
histamine, release 5966
metabolism
Daphnia magna 5960
sheep 2099
pest control, buildings, air quality 5020
residues
food, Mexico 5980
fowls, Kenya 854
human milk, Finland 1691
man
Costa Rica 5441
USA 4067
milk, analytical methods 4061
toxicology, safety 2766
- Heptatoma pellucens*, forests, USSR 195
- Herbaria**, insects, control 2170
- Hermetia illucens**
breeding places, Costa Rica 240
control, Diptera 4223
poultry droppings, development 1454
rearing techniques, protein sources 3715

- Herpesviridae**
cattle, France 3905
vectors, Muscidae, mechanical transmission 3905
- Herpetacarus baojiensis**
Callosiurus erythraeus, China 2523
taxonomy, new species 2523
- Hertigia**, taxonomy, phylogeny 3631
- Heteralocha acutirostris**, *Huiacola extinctus*, New Zealand 5482
- Heteroceratopogon**, taxonomy, new genus 5983
- Heteroceratopogon poguei**, taxonomy, new species 5983
- Heterometrus bengalensis**
biochemistry, haemolymph, glycoproteins 3226
venoms, toxoids, immune serum 5346
- Heterometrus swammerdami**, mites 4820
- Heteronychia**, mountains, Czechoslovakia 228
- Heteronychia cepelaki**, taxonomy, morphotaxonomy 2400
- Heteronychia rohdendorfi**, taxonomy, morphotaxonomy 2400
- Heteronychia slovacica**, taxonomy, morphotaxonomy 2400
- Heteronychia vachai**, taxonomy, new species 2401
- Heteropneustes fossilis**
lindane, effects, enzymes 3371
parathion-methyl, effects, blood chemistry 2777
- Heteroptera**
medical entomology, Australia 3937
ultrastructure, spermatozoa 3448
Yugoslavia, checklists 2190
- Heterorhabditidae**, symbionts,
Xenorhabdus 4485-4486
- Heterorhabditis**, hosts, invertebrates 3972
- Heterorhabditis heliothidis**
Anura, infection 3971
hosts, *Periplaneta americana*, susceptibility 3502
survival, temperature 3968
- Heterotylenchus autumnalis**
hosts
Musca autumnalis 4714
pathogenicity 3661
- Hexachlorobenzene**
histamine, release 5966
residues, air, Sweden 2796
uptake, aquatic organisms 2760
- Hexachloroethane**, toxicology, rodents 2098
(Z)-13-Hexadecen-11-ynyl acetate, analogues, chemistry, synthesis 4265
- Hexaflumuron**
chemistry, synthesis 1250
control
Aedes aegypti 4171
Culicidae 961
efficacy
Blattella germanica 4559
Culicidae 4171
mode of action, insects 2089
toxicity, *Blattella germanica*, eggs 5061
- Hexafluron** (see Hexaflumuron)
- HHDN** (see Aldrin)
- Hides and skins**
arthropods, Pakistan 4836
Demodex bovis, damage 4830
Dermestes, Iraq 3745
Hypoderma tarandi, damage 4734
- Highlands J virus**, birds, USA 1407
- Himantopus mexicanus**, parasites, USA 484
- Himax**
control
ectoparasites 3334
Psoroptes equi 3856
Sarcoptes scabiei 3210, 5335
- Hippelates**, vesicular stomatitis virus, USA 1357
- Hippobosca**, livestock, Thailand 5103
- Hippobosca capensis**, dogs, Afghanistan 1955
- Hippobosca equina**, cattle, Italy 5717
- Hippoboscidae**, control, insecticides 2717
- Hippopotamus amphibius**, *Chrysops*, Congo 1043
- Hipposiderobia**, taxonomy, revision 3834
- Hipposiderobia indochinensis**
Aselliscus stoliczkanus, Vietnam 3834
taxonomy, new species 3834
- Hipposiderobia okinawaensis**, taxonomy, nomenclature 3834
- Hipposiderobia phyllorhinae**, taxonomy, synonyms 3834
- Hipposiderobia rhinopomatos**
Rhinopoma, North Africa 3834
taxonomy, new species 3834
- Hipposideros abae**, Rift Valley fever virus, Guinea 5907
- Hipposideros bicolor**, Japanese encephalitis virus, India 5355
- Hipposideros calcaratus**, *Rudnicula agurensis*, Papua New Guinea 4817
- Hipposideros cineraceus**, Japanese encephalitis virus, India 5355
- Hipposideros pomona**, Japanese encephalitis virus, India 5355
- Hipposideros speoris**, Japanese encephalitis virus, India 5355
- Hippotragus equinus**, ectoparasites, Kenya 1990
- Hirosia**, distribution, Japan 5670
- Hirosia humilis**, cattle, Japan 5667
- Hirosia iyoensis**, forests, Japan 5686
- Hirstia domicola**, ecology 3401
- Hirstionyssus apodemi** (see *H. sunci*)
- Hirstionyssus criceti**, *Spermophilus suslicus*, Poland 1996
- Hirstionyssus isabellinus**
Arvicola terrestris, nests, Switzerland 4321
rodents, USSR 4290
- Hirstionyssus nidi**, *Passer montanus*, Poland 1995
- Hirstionyssus sciurinus**, *Sciurus vulgaris*, Poland 681
- Hirstionyssus soricis**, *Pyrrhula pyrrhula*, Poland 1995
- Hirstionyssus sunci**, rodents, USSR 4290
- Hirstionyssus sunica**, hosts, Poland 1995
- Hirsutela rostrata**, hosts, Acari 2705
- Hirsutella strigosa**, culture techniques 795
- Hirsutiella zachvatkini**, small mammals, Czechoslovakia 5863
- Hirundo pyrrhonota**, *Argas cooleyi*, USA 1566
- Hirundo rustica**
Ceratothylus gallinae, UK 5099
ectoparasites, Poland 1351
Ixodes arboricola, Poland 1995
- Hister abbreviatus**, prey, *Stomoxys calcitrans* 1456
- Hister nomas**, poultry housing, South Africa 601
- Histeridae**
cattle dung, South Africa 597
caves, Venezuela 3101
prey, *Haematobia irritans* 1468
rearing techniques 4262
taxonomy
keys, Turkey 4090
types 3103
- Histochemistry**
Blattella humbertiana, neuroendocrine system 4141
Lucilia cuprina, cuticle, phenoloxidases 223
Stomoxys calcitrans, digestion 4694
- Histology**
Aedes, salivary glands, aging 4178
Calliphora vicina, nervous system 5733
insects, nervous system, stains 5050
- Histopathology**
cattle, *Psoroptes ovis* 5338
guineapigs, *Trixacarus caviae* 4839
pigs, *Sarcoptes scabiei* 5337
rabbits, *Ixodidae* 4800
- History**
Culicidae, control, USA 111, 446
Entomological Society of America 5452
entomology, USA 450
medical entomology 5987
plague
epidemics, books 1291
Europe 4116
Rickettsia, research 3257
rickettsial diseases, man 3915
- History cont.**
Royal Entomological Society of London 1295
South African Institute for Medical Research 2843
vector-borne diseases, reviews 1300
veterinary entomology 1694
- Hodgesia**, Australasia, catalogues 4098
- Hoffmannina galla**, small mammals, USSR 2005
- Hoffmannina theodori**, small mammals, USSR 2005
- Hogs** (see Pigs)
- Hohorstiella gigantea lata**, pigeons, Poland 1754
- Hohorstiella lata**, pigeons, Spain 5485
- Holarrhena antidysenterica** (see *H. pubescens*)
- Holarrhena pubescens**
extracts
Anopheles stephensi 1838
insects, effects 3360
- Holomenopon maxbeieri**, *Phasianus colchicus*, Poland 1327
- Holoparasiticus excipulger**, *Crocidura leucodon*, Poland 1993
- Holophryxus acanthephyrae**, Decapoda 5351
- Holophryxus giardi**, Decapoda 5351
- Holophryxus richardi**, Decapoda 5351
- Holoplatys**, man, bites, Australia 3219
- Holostaspella shereefi**
manure, Egypt 4311
taxonomy, new species 4311
- Holostaspella solimani**
manure, Egypt 4311
taxonomy, new species 4311
- Homalictus dotus**, man, hypersensitivity 3120
- Homarus gammarus**, trichlorfon, toxicity 4015
- Homo sapiens** (see Man)
- Homoptera**
man, allergies, reviews 3306
medical entomology, Australia 3937
- Honduras**
Anophelinae, taxonomy, keys 4617
Chagas' disease, epidemiology 49
Culex 3583, 4180
Culicidae 2257
Diplocentrus 2033
Lyme disease, epidemiology 3248
- Honey**
man, hypersensitivity 4278
poisoning
man 1508
Turkey 1507
- Hong Kong**
aquatic insects 3085
Boettcherisca 1899
Coproica 1088
- Hoplocephala schistacea**, distribution, Gambia 2398
- Hoplocephalomima**, taxonomy, new genus 2398
- Hoplocephalomima nathani**, taxonomy, new species 2398
- Hoplopleura acanthopus**
rodents, USSR 4290
small mammals, Czechoslovakia 5863
- Hoplopleura affinis**, rodents, USSR 4290
- Hoplopleura chrysocomi**
Bunomys chrysocomus, Indonesia 4582
taxonomy, new species 4582
- Hoplopleura edentula**, small mammals, Czechoslovakia 5863
- Hoplopleura hirsuta**
ecology, population ecology 41
Sigmodon hispidus, USA 41
- Hoplopleura musseri**
Maxomys musschenbroeki, Indonesia 4582
taxonomy, new species 4582
- Hoplopleura pacifica**, *Rattus*, Indonesia 4582
- Hoplopleura sembeli**
rodents, Indonesia 4582
taxonomy, new species 4582
- Hoplopsyllus affinis**, Leporidae, USA 65
- Horse dung**
Aphodius, Spain 5777

Horse dung cont.

dung beetles, Spain 4259
Mesostigmata, Iraq 4818
Scarabaeidae, Spain 5778

Horses (*Equus caballus*)

African horse sickness virus
Saudi Arabia 1185
Spain 3903
akabane virus, Arabian Peninsula 346
Amblyomma variegatum, Antigua 1549
Anopheles, Papua New Guinea 1811
Anopheles freeborni, USA 3558
arboviruses, USA 713
Babesia, Colombia 4287
Borrelia burgdorferi 2053
Canada 769
diagnosis, ELISA 4920
immune response 4923
South Africa 4905
USA 4924-4925, 5386
Bunyaviridae, USA 4377
cantharidin, poisoning 4754
Chorioptes bovis
Poland 1608
skin diseases 1610
Cochliomyia hominivorax, myiasis 4728
Culex tarsalis, North America 2247
Culicoides, hypersensitivity 1428, 3623, 5183
Culicoides imicola, hypersensitivity 2345, 3622
Culicoides variipennis 177, 1016
hypersensitivity, treatment 5184
Diptera
hypersensitivity 5185
myiasis 583, 2404
USA 893
eastern equine encephalitis virus, USA 1407
ectoparasites
control 3934
skin diseases 2655-2656
Spain 5459
Ehrlichia risticii, USA 2606, 2630
Epicauta, poisoning 2433
equine infectious anaemia, reviews 1632
Gasterophilus
Australia 3698
control, insecticides 3076
myiasis 2412, 3709, 5752
South Africa 1083
Gasterophilus haemorrhoidalis, Australia 3710
Gasterophilus intestinalis, myiasis 1488, 5749
Gasterophilus nasalis, Chile 3697
Haematobia irritans, USA 3054
Hypoderma diana, myiasis 4735
Ixodidae 2495
India 5799
Otobius megnini, Korea Republic 1131
parasitoses, conferences 2831
Phthiraptera, Argentina 485
poisoning, *Epicauta*, USA 3750
Rickettsia conorii, Italy 4418
Ross River virus, New Caledonia 3240
Simuliidae, USA 2359
Simulium, USA 1023
skin diseases, books 1696
snowshoe hare virus, Canada 3904
Tabanidae, Japan 1039
trichlorfon, effects, cardiovascular system 4032

Hospitals

Dienerella filum, USA 1931
Formicidae, Trinidad and Tobago 5791
house dust mites, Poland 1594

House dust

Aleuroglyphus, Egypt 2013
allergens 1166
characterization 5326
detection, immunoelectrophoresis 4340
immunoelectrophoresis 1161
Dermatophagoides
allergens
cats, removal 324
Japan 4335

House dust cont.*Dermatophagoides* cont.

allergens cont.
USA 325
antigens, USA 4834
Australia 4354
Sweden 5866
USA 5867
Dermatophagoides farinae, allergens, Norway 4355
Dermatophagoides pteronyssinus
allergens 4353
Europe 3205
house dust mites
Hawaii 3199
India 5328

House dust mites

allergens
guanine, assays 2532
quantification, guanine 2011
control, environmental management 323
dwellings, Japan 323
man
allergies
books 3401
clinical trials 1160
diagnosis 1164
nursery schools, German Federal Republic 2535
sampling, house dust 5332
techniques, preparation, microscope slides 686

Huacho virus, taxonomy, chemotaxonomy 2591

Hughesiella, taxonomy, new genus 3401

Hughesiella africana

ecology 3401

taxonomy, new combination 3401

Huiacola, taxonomy, new genus 5482

Huiacola extinctus

Heteralocha acutirostris, New Zealand 5482

taxonomy, new species 5482

Hullia, taxonomy, nomenclature 3401

Human diseases, epidemiology, books 3412

Human faeces

Aphodius, Korea Republic 5265

Chrysomya, diets 1069

Diptera, Pakistan 2424

Meliponinae, Peru 3767

Musca domestica, Peru 5708

Human immunodeficiency virus

arthropods, cell lines, infections 3891

dengue virus, cross reactivity 1188

man, mixed infections, USA 3274

nuclear polyhedrosis viruses, gene

expression 787

vectors

arthropods, transmission 1189-1190, 4884

Culicidae, transmission 4600

haematophagous insects, transmission 1192

insects

mechanical transmission 497

transmission 5095

disease models 1632

Ornithodoros moubata, mechanical transmission 664

Human milk, pesticide residues, Italy 2790

Hungary

Culicidae 5599

Musca domestica 2380

Sphaeroceridae, mites 4313

Hyalella azteca

hexachlorobenzene, uptake 2760

predators, *Gambusia affinis* 4629

Hyalinocysta expilatoria, ultrastructure,

taxonomy 3966

Hyallela azteca, *Bacillus thuringiensis*,

pathogenicity 77

Hyalomma

cattle, control, acaricides 5801

control

acaricides 3179-3180

reviews 4791

Crimean-Congo haemorrhagic fever

virus, transmission 732

distribution, British Isles 4796

livestock, India 3179-3180

Hyalomma aegyptium aegyptium, goats, India 3150

Hyalomma anatolicum

cattle, USSR 648, 652
control, acaricides 648, 652
dogs, Afghanistan 1955
tickborne diseases, transmission 652
tickborne encephalitis virus, infection 295

Hyalomma anatolicum anatolicum

cattle
Egypt 2636
resistance 2510
Turkey 5310
control, acaricides 3813, 5310, 5803-5804
livestock
India 3813, 5799
Turkey 5311
propetamphos, toxicity 5799
Theileria annulata 4811
susceptibility 2510
transmission 3788

Hyalomma anatolicum excavatum

Babesia bigemina, infectivity 297
cattle, Turkey 5310
control, acaricides 5310
distribution, Algeria 1976
laboratory animals, IgG 1536
livestock, Turkey 5311

Hyalomma arabica

ecology, seasonal abundance 5301
livestock, Saudi Arabia 5301
reproduction, vitellogenesis 3182

Hyalomma asiaticum

bacteria, host parasite relationships 1983

Isfahan virus, infection 5305

physiology, immune system 1983

rabbits, histopathology 1556

ultrastructure, host parasite relationships, attachment 1962

Hyalomma asiaticum asiaticum, distribu-

tion, Mongolia 4793

Hyalomma asiaticum kozlovi, develop-

ment, temperature 2513

Hyalomma brevipunctata, Muridae, India 665

Hyalomma detritum

cattle

Turkey 5310

USSR 652

control, acaricides 652, 5310

livestock, Turkey 5311

tickborne diseases, transmission 652

Hyalomma dromedarii

African horse sickness virus, transmis-

sion 724

biochemistry, eggs, moulting hormones 1958

biology, development 1564

control, acaricides 3854

Crimean-Congo haemorrhagic fever

virus, vector potential 5290

distribution

Mongolia 4793

Tunisia 1976

Escherichia coli, pathogenicity 1558

sex pheromones 3803

ultrastructure

mouthparts 1568

muscles 660

Hyalomma dromedarii asiaticum (see *H.*

asiaticum)

Hyalomma excavatum (see *H. anatolicum*

excavatum)

Hyalomma impeltatum

biology, development 3162

Crimean-Congo haemorrhagic fever

virus, vector potential 5290

distribution, Algeria 1976

Hyalomma lusitanicum

biology, development 5826

livestock, Spain 5825

Protozoa, Spain 5825

Hyalomma marginatum

cattle, USSR 648

control, acaricides 648

Lepus capensis, Spain 2468

piroplasms, USSR 288

tickborne diseases, transmission 287

Hyalomma marginatum marginatum, Crimean-Congo haemorrhagic fever virus, immunoassays 1989

Hyalomma marginatum rufipes cattle
Ghana 4813
South Africa 5806
distribution 1976
ecology, seasonal abundance 5806, 5848
sheep, South Africa 5848

Hyalomma plumbeum (see *H. marginatum*)

Hyalomma truncatum cattle
resistance 642
South Africa 290
Zambia 1135
control, acaricides 290
Crimean-Congo haemorrhagic fever virus, vector potential 5290
ecology, population ecology 1135
Rift Valley fever virus, transmission 2489

Hybomitra
behaviour, feeding behaviour 1861
cattle, USSR 1861
distribution, Japan 5670
equine infectious anaemia virus, mechanical transmission 1632
water reservoirs, USSR 1849

Hybomitra acuminata, distribution, Turkey 2368

Hybomitra alegrei, taxonomy, new species 5674

Hybomitra arpadi
entomopathogenic protozoa 3326
genetics, karyotypes 563

Hybomitra bimaculata
distribution, Portugal 5682
entomopathogenic protozoa 3326
forests, USSR 195

Hybomitra chevalieri, Nigeria 1042

Hybomitra distinguenda
aquatic plants, oviposition 1040
cattle, Japan 5213

Hybomitra epistates, behaviour, feeding behaviour 2366

Hybomitra frontalis, behaviour, feeding behaviour 2366

Hybomitra lasiophthalma
behaviour, feeding, sugars 3042
ecology, parous rates 3042
reproduction, gonotrophic cycles 3042

Hybomitra lundbecki lundbecki, forests, USSR 195

Hybomitra medeirosi, taxonomy, new species 5682

Hybomitra muehlfeldi, forests, USSR 195

Hybomitra nitidifrons nuda, behaviour, feeding behaviour 2366

Hybomitra olsoi
cattle, Japan 5213
ecology, seasonal abundance 5213

Hybomitra portucalensis, taxonomy, new species 5673

Hybomitra sodalis, behaviour, feeding behaviour 2366

Hybomitra takahashii, aquatic plants, oviposition 1040

Hydra vulgaris, diflubenzuron, effects 1259

Hydrachnoidea, marshes, Canada 310

Hydraenidae, marshes, Canada 246

Hydramethylnon (tetrahydro-5,5-dimethyl-2(1*H*)-pyrimidinone [3-[4-(trifluoromethyl)phenyl]-1-[2-[4-(trifluoromethyl)phenyl]ethenyl]-2-propenylidene]hydrazone)
control, *Periplaneta americana* 1745
effects, *Blattella germanica*, oothecae 5475

Hydrobates pelagicus, *Halipeurus pelagicus*, UK 4575

Hydrodroma despicens, hosts, Chironomidae 1494

Hydrodroma despicens pilosa
ecology, host parasite relationships 314
hosts, aquatic insects 314

Hydrometridae
marshes, Canada 55
taxonomy, keys, British Isles 56

Hydrophilidae
cattle dung, South Africa 597
caves, Venezuela 3101
lakes, Czechoslovakia 258
marshes, Canada 246
North America 251
prey, Culicidae 5122
rice fields, USA 18
taxonomy, keys 251
USA, checklists 255

Hydroporus gyllenhali, ponds, UK 5267

Hydroporus planus, ponds, UK 5267

Hydroporus undulatus, *Bacillus thuringiensis*, pathogenicity 77

Hydroprene ((2*E*,4*E*)-ethyl 3,7,11-trimethyl-2,4-dodecadienoate)
control, *Blattella germanica* 5079
effects
Amblyomma americanum, salivary glands 1961
Blattella germanica, reproduction 1749
Diptera punctata, neuroendocrine system 1732-1733
sterilization, *Blattella germanica* 2178
toxicity, *Blattella germanica*, eggs 5062

Hydropsyche orientalis, pesticides, nontarget effects 826

Hydrotaea, behaviour, feeding behaviour 210

Hydrotaea aenescens
control, *Musca domestica* 2387-2388
Entomophthora muscae, cross infection 3656
pig housing, German Democratic Republic 2387
poultry droppings, development 1454

Hydrotaea albipuncta, cattle, German Federal Republic 206

Hydrotaea albipunctata, cattle housing, Poland 1461

Hydrotaea armipes, cattle housing, Poland 1461

Hydrotaea basdeni, *Nyctalus noctula*, guano, Switzerland 5522

Hydrotaea dentipes, cattle housing, Poland 1461

Hydrotaea hirtitibia, taxonomy, redescription 2384

Hydrotaea irritans
Actinomyces pyogenes, German Federal Republic 206
cattle 3663
Denmark 207, 213, 1358
German Federal Republic 206
Netherlands 1052
Sweden 208
cattle housing, Poland 1461
control, insecticides 213, 1052
genetics, cytogenetics 209
Gram positive bacteria, Denmark 1474
rearing techniques 211
summer mastitis, mechanical transmission 201-205, 210
taxonomy, chemotaxonomy 209

Hydrotaea meridionalis, *Actinomyces pyogenes*, German Federal Republic 206

Hydrotaea pellucens, cattle housing, Poland 1461

Hydrovolzia placophora, ultrastructure, genital papillae 2522

Hydryphantioidea, marshes, Canada 310

Hygrobat, hosts, Chironomidae 1494

Hygrobatoidea, marshes, Canada 310

Hyla regilla, entomophilic nematodes, infection 3971

Hymenocephalus gracilis, *Sarcotretes scopeli*, Pacific Ocean 3872

Hymenolepis diminuta
intermediate hosts
Periplaneta americana
infection 2895
infections 2168

Hymenolepis horrida
intermediate hosts, Collembola, USSR 1522
rodents, USSR 1522

Hymenoptera
behaviour, social behaviour 2439-2440

Hymenoptera cont.
biology, books 1292
carrion, Mexico 1924
collections, Cyprus 3113
ecology, species diversity 3756
evolution
phylogeny 3112, 3755
stings 2439-2440
Malaise traps, efficacy 1933
man
allergies, reviews 3306
hypersensitivity 3768
treatment 618-620
stings, reviews 5782
venoms, arthritis, therapy 1112
morphology, legs 3112
reproduction, polyandry 3753-3754
taxonomy, types, Chile 4526

Hyperlaelaps arvalis, rodents, USSR 4290

Hypersensitivity
Aedes taeniorhynchus, man 5612

Apidae
man 3120
therapy 3119

Apis mellifera
man 4272, 4275, 4475
treatment 264, 1111, 4271

Blattaria
man 2171
treatment 4134

Blattella germanica, man 4133

Camptochironomus tentans, man 4243

Chironomidae, man 5259

Chironomus, man 1098

Chironomus plumosus, man 2423

Ctenocephalides
cats 4594
dogs 500
pets 4595

Culicidae
man 1005
detection, immunoblotting 4167

Culicoides, horses 1428, 3623, 5183

Culicoides imicola, horses 2345, 3622

Culicoides variipennis, horses, treatment 5184

Diptera, horses 5185
haematophagous insects, man 2065
horses, ectoparasites 2656

Hymenoptera
man 262, 617, 1108, 2456, 3121, 3768, 4269-4270, 4273-4274, 5931
diagnosis 1109
reviews 2455
treatment 618-620, 2444-2445, 2449, 3300, 4276-4277, 4473, 4942
insects, man 3305

Ixodes holocyclus, man, diagnosis 1142, 5284

Lucilia cuprina, man 1078
man, Vespidae, treatment 2658

Periplaneta americana, man 4130

Rhipicephalus appendiculatus, cattle 2496

Sarcoptes scabiei, pigs 5869

Scolopendra heros, man 708

Simuliidae, man 2364

Simulium posticatum, man 1031

Solenopsis, man 4771

Solenopsis invicta, man 4283

Spilopsyllus cuniculi, cats 4155

Vespa crabro, man 4279

Vespa orientalis, man 1941

Vespidae, man, diagnosis 2454

Vespula, man, treatment 271

Hypoaspis, *Sigmodon hispidus*, USA 41

Hypoaspis heselhausi, *Arvicola terrestris*, nests, Switzerland 4321

Hypoaspis lubrica, hosts, Poland 1995

Hypocaccus brasiliensis, anatomy, reproductive system 5780

Hypoderma
control, UK 2413
hides and skins, Pakistan 4836

Hypoderma bovis cattle
Canada 581, 2407
control 3845
Italy 1912

Hypoderma bovis *cont.*cattle *cont.*

myiasis 585, 1913, 5255
North America 5250
UK 2403, 5254

control

insecticides 581, 585, 1913, 5255
sterile insect release 5250

detection, ELISA 2407

morphology, spiracles 1084

rearing techniques 4237

taxonomy, chemotaxonomy 230

Hypoderma diana, horses, myiasis 4735**Hypoderma lineatum**

age determination, larvae 1914

cattle

Canada 581, 2407
control, immunization 4733
immune response 586
myiasis 1913, 2406, 2414, 5255
North America 5250

control

insecticides 581, 1913, 2414, 5255
sterile insect release 5250

detection, ELISA 2407

man, myiasis 3703, 3705

molecular genetics, messenger RNA
3707

morphology, spiracles 1084

rearing techniques 4237

Hypoderma tarandi

control, insecticides 2074, 2248

ecology, phenology 3704

reindeer

Greenland 4734
myiasis, immune response 2411
USSR 2248, 3704

Hypogastrura, *Avitellina centripunctata*, life cycle 2463**Hypogastrura tullbergi**, Cestoda, USSR 1522**Hypophthalmichthys molitrix**, *Argulus siamensis*, India 5890**Hypopygiopsis infumata**, distribution, Bangladesh 5730**Hypopygiopsis tumrasvini**, distribution, Bangladesh 5730**Hypsipheis philippinensis**, *Odontacarus mahaplagensis*, Philippines 2004**Hystrichopsylla orientalis**, rodents, USSR 4290**Hystrichopsylla orientalis orientalis**, small mammals, Czechoslovakia 66**Hystrichopsylla talpae**, small mammals, Czechoslovakia 67-68

Sorex, nests, USSR 1779

Hystrichopsylla talpae orientalis (see *H. orientalis*)**Hystrichopsylla talpae talpae**, *Musccardinus avellanarius*, nests, UK 501**Hystrichopsyllidae**, taxonomy, morphotaxonomy 2206**Hystricocnema plinthopyga**, taxonomy, redescription 5738**Hystrix indica**, *Parodontis riggenbachi*, India 1787**Iceland**

Culicoides 3623
fauna, identification 2116
Sphaeroceridae 2427
Thormodseyjarklettur virus 2598

Ichneumonidae

cattle dung, China 5718
host parasite relationships, evolution
1110

Idiella divisa, distribution, Bangladesh 5730**Idiella mandarina**, distribution, Bangladesh 5730**Idiophlebotomus**, taxonomy, taxonomic status 3631**Ieri virus**, taxonomy, serotaxonomy 4888**IH-41**, control, *Hyalomma anatolicum* 5803**Ihosyia**, taxonomy, new genus 2396**IKI 7899** (see *Chlorfluazuron*)**Ilesha virus**

epidemiology, reviews 728
man, Uganda 2050

Immunity

cattle

Boophilus microplus

antigens 3810
vaccines 2503

livestock, *Boophilus microplus* 1133

rabbits

Boophilus microplus, antigens 3802
Rhipicephalus appendiculatus 5287

Immunization

cattle, *Boophilus microplus* 669, 1531

rabbits, *Rhipicephalus appendiculatus*
3160

Immunocytochemistry

Blaberus craniifer, nervous system 916

Calliphora vicina, proctolin 1065

Calliphora vomitoria

enkephalins 3680

neuroendocrine system 4718

Drosophila melanogaster

nervous system 3079

photoreceptors, actin 4739

insects

arthropod hormones, nervous system
4716

endocrine system, kinins 2849

neuroendocrine system 4138

techniques 2154

Periplaneta americana

nervous system 30

peptides, midgut 5066

Rhyarobia maderae, neurotransmit-
ters 31

Immunohistochemistry

Calliphora vomitoria, nervous system,
gonotrophic cycles 5724

Periplaneta americana

LH 1731

nervous system 5473

Phormia regina, legs, sense organs,
development 4717

Immunology

birds, parasites, reviews 3238

cattle

Boophilus microplus, antigens 5314

Hypoderma lineatum 586

fowls, *Ornithonyssus sylviarum* 3829

guineapigs, *Rhipicephalus evertsi* 1537

hosts, *Culicidae* 1404

laboratory animals

Ixodidae 1527

Metastigmata 1536

man

Aedes albopictus, bites 5121

Apis mellifera, venoms 2447, 3308

Culicidae, salivary glands, proteins,
antibodies 2329

Dermatophagoides farinae, aller-
gens 4343

house dust mites, allergens 2536

Solenopsis invicta, allergens 4283

parasites, complement, reviews 5398

pigs, *Sarcoptes scabiei* 1603

rabbits

Ixodes ricinus 1145

Rhipicephalus 657

Rhipicephalus evertsi 4809-4810

rats, *Xenopsylla cheopis*, bites 2928

reindeer, *Hypoderma tarandi* 2411

sheep, *Lucilia cuprina*, acquired resis-
tance 3671

vertebrates, haematophagous arthro-
pods 371

Immunotherapy

horses, *Culicoides*, allergens 5184

man

allergens 783

skin tests 3301

Apis mellifera, venoms 264, 1111,
4271, 4275

Blattaria, allergens 4134

Dermatophagoides, allergens 1160,
2533

Dermatophagoides farinae, aller-
gens 3204

Dermatophagoides pteronyssinus
320

allergens 326, 1159, 3207, 4472

antigens 5868

Hymenoptera, venoms 263, 1108,
1511, 2444-2445, 2449, 3299-

Immunotherapy *cont.*man *cont.*Hymenoptera, venoms *cont.*

3300, 4270, 4273, 4276-4277,
4473, 4942

Vespididae, venoms 2658

Vespa, venoms 271, 1942

Impregnated fabrics, clothing, insect repel-
lents 75**India**

Diptera, scientific expeditions 5458

Japanese encephalitis, control 5361

Japanese encephalitis virus, epidemiol-
ogy 350

livestock, ectoparasites 3178

malaria, control 174

pesticides, poisoning 3373

Polypedilum nubilifer 4246

reports, Indian Council of Medical
Research 5451

Sarcophagidae 2398

Simuliidae, common names 5656

Siphunculina 5764

Udaya sub similis 4184

Andaman and Nicobar Islands

Musca autumnalis 5713

Polistes stigma 267

Andhra Pradesh

babesiosis, epidemiology 4940

bluetongue virus, epidemiology
3897, 5371, 5374

Arunachal Pradesh

Anopheles 543, 2981

Anopheles dirus 999

Culicidae 541-542

malaria, attitudes 3579

Phlebotomus argentipes 3025

Simulium 1024, 1028, 4683

Assam

Anopheles 2980

Boophilus microplus 5824

Culicidae 541, 2982

leishmaniasis, epidemiology 4929

Bihar

Anopheles culicifacies complex 76

livestock, ectoparasites 3179

Phlebotominae 558

Phlebotomus 4200

pigs, arboviruses 347

Chandigarh, *Channaculina neculata*
3870

Delhi

Anopheles culicifacies complex 76

Culicidae 545

dengue haemorrhagic fever, epi-
demiology 762

Phlebotominae 559

Goa, Daman and Diu, *Culex pseudov-*
ishnui 5146

Gujarat

Anopheles 997-998

malaria, control 2294

Haryana

Culex quinquefasciatus 1364

Ixodidae 3813

Indian Punjab

buffaloes, ectoparasites 2544

dengue virus, epidemiology 5366

malaria, control, nontarget effects
4083

Karnataka

Anopheles 996

Argulus siamensis 5890

Blattella germanica 5468

Culicidae 2944, 2984

control 5445

Japanese encephalitis virus, epi-
demiology 5355

Kyasanur Forest disease virus, epi-
demiology 739

Lernaea 5891

Muscidae 2392

Oestrus ovis 5746

Sarcophagidae 4231

Solenopsis geminata 5790

Kerala

Aedes kanarensis 5583

Culicidae 4158

filariasis, epidemiology 5166

Mansonia 3578

Mansonia annulifera 5110

India cont.**Kerala cont.**

- Notoedres cati* 4359
- Psychoda alternata* 5770

Madhya Pradesh

- Anopheles* 544, 1000, 1365
- malaria, epidemiology 3611

Maharashtra

- Anopheles culicifacies* 1828
- Aphodius stebnickae* 4256
- Buthotus tamulus* 2037
- Culex quinquefasciatus* 516
- house dust mites 5328
- Xenopsylla cheopis* 2205

Manipur

- Culex hinglungensis* 1389
- Culicidae 5525
- Megaselia scalaris* 1921
- Simulium* 1024, 1028

Meghalaya, Culicidae 541

- Mizoram, Culicidae 541
- Nagaland, *Simulium* 1024, 1028

Orissa, *Anopheles* 5168**Pondicherry**

- Culex quinquefasciatus* 5447
- Culicidae 4158, 4171
- filariasis, epidemiology 2653

Rajasthan, *Strigiphilus* 4577**Tamil Nadu**

- Acari 4822
- Anopheles culicifacies* 1003
- filariasis, epidemiology 4664
- Gasterophilus intestinalis* 5749
- insectivorous fishes 539
- Kozlovea cavangarei* 4231
- Limnogonus* 4149
- Musca*, parasitoids 3759
- Parodontis riggenbachii* 1787

Uttar Pradesh

- Anopheles* 935
- Anopheles culicifacies* 995
- Anopheles culicifacies* complex 76
- Chrysomya bezziana* 1483
- Culicidae 2311
- Fengia ostindicae* 4231
- filariasis, epidemiology 2648
- Muridae, ectoparasites 665
- Periplaneta americana*, entomophilic nematodes 2709
- Psychoda alternata* 5770
- Sarcoptes scabiei* 4361

West Bengal

- Anopheles* 546
- Blattaria 5058
- Culicoides peliliouensis* 3620
- ethnobotany 3499

Indian Ocean

- Caligus sicarius* 2560
- Holophryxus* 5351
- marine fishes, parasites 1620

Indonesia

- Aedes* 4623
- Aedes aegypti* 2260
- Aedes albopictus* 1377
- Anopheles sundanicus* 2932
- Argas robertsi* 3159
- Boettcherisca* 1899
- Culex*, insect viruses 4174
- Dermacentor steini* 1561
- Haemaphysalis papuana* 1976
- Hoplopleura* 4582
- Hymenoptera 3756
- Margatea paracelyanica* 2878
- mosquito-borne diseases, prophylaxis 3283
- Odochilus* 5774
- Phumosia* 5246
- Polistes stigma* 267
- Sarcoptes scabiei* 4845
- Sergentomyia buruensis* 5651
- Simulium* 1434
- Siphunculina* 5764
- Strigiphilus* 4577
- Trombiculidae 4325

Infectious haematopoietic necrosis virus, hosts, *Callibaetis*, infections 3783**Information processing, aquatic organisms, taxonomy, catalogues 445****Inkoo virus, vectors, Culicidae, Sweden 4188****Insect attractants, literature, errors 1237****Insect growth regulators, mode of action, reviews 412-413, 416****Insect repellents**

- cages, bioassays 2159
- Culicidae
 - bed nets 1827
 - screening 967
- formulations
 - controlled release 970, 1238
 - cutaneous application 1261
- literature, errors 1237
- vector control, reviews 4497

Insectaries, *Dienerella filum*, USA 1931**Insecticide resistance**

- Aedes aegypti*
 - Caribbean 5546
 - resistance mechanisms 532, 5613
- Aedes albopictus*
 - organophosphate insecticides 5537
 - USA 84
- Anopheles*
 - DDT 167
 - irritability 964
 - India 2980
 - Nepal 136
 - Sri Lanka 2945
 - USSR 5167
- Anopheles albimanus*, fenitrothion, assays 2971
- Anopheles culicifacies*, malathion, resistance mechanisms 1828
- Anopheles darlingi*, DDT 4622
- Anopheles gambiae*, Burkina Faso 5623
- Anopheles maculatus*, DDT 5108
- assays, resistance mechanisms 1379
- Blattella germanica*
 - pyrethroids, resistance mechanisms 3528
 - resistance mechanisms 4558
 - USA 4137
- Ctenocephalides felis*, USA 3548
- Culex*
 - assays, esterases 4176
 - genetics, models 1659
- Culex nigripalpus*, organophosphorus insecticides, USA 2295
- Culex pipiens*
 - Egypt 4191
 - Japan 5152
 - malathion 4190
- Culex quinquefasciatus*
 - cross resistance 2973
 - genetics 5589
 - organophosphate insecticides, esterases 2976
 - pyrethroids, resistance mechanisms 2340
 - resistance mechanisms 527, 5593
- Culex tarsalis*, USA 119
- Culex tritaeniorhynchus*, Japan 5155
- Culicidae
 - age differences 1842
 - Comoros 5632
 - organophosphate insecticides, immunoassay 2255
 - permethrin, irritability 977
 - resistance management 160
 - Sri Lanka 1379
- Diptera, pyrethroids 5698
- Drosophila melanogaster*
 - cytochrome P-450, gene expression 3983
 - malathion, genetics 1658
 - mutations 3984
 - resistance mechanisms 2722
 - cytochrome P-450 5772
- Haematobia irritans*
 - permethrin, resistance mechanisms 5701
 - pyrethroids 5703
 - USA 2389
- insect pests, resistance management 403
- livestock farming, reviews 4499
- Lucilia cuprina*
 - Australia 1068
 - genetics 225
- Musca domestica*
 - abamectin, cross resistance 5714
 - carbamates 1472
 - cross resistance 1463

Insecticide resistance cont.***Musca domestica* cont.**

- German Democratic Republic 5700
- organophosphate insecticides 5228
- pyrethroids
 - knockdown 1887
 - resistance mechanisms 3653, 5702
- resistance management 1471
- resistance mechanisms 573, 1888, 3654, 5713
- cytochrome P-450 3652

Muscidae

- Europe 215
- USA 4697

***Periplaneta americana*, trichlorfon 1321**

- resistance management 3979-3980
- chemical industry 804
- molecular biology 3981
- reviews 3985

resistance mechanisms 3339**behaviour 3982****reviews, evolution, resistance management 2721*****Simulium damnosum*, organophosphate insecticides, resistance mechanisms 3031****vectors, reviews 5945****WHO, monitoring 5946*****Xenopsylla cheopis*, India 2205****Insecticides**

- application methods 1656
- assays, application methods 3987
- catalogues, books 4087
- chemistry, conferences 3438
- dwelling, pest control 2735
- mode of action, cuticle 3353
- pest control 1669

Insectivores**ectoparasites**

- Czechoslovakia 5863
- USSR 1525

Insects, man, eye diseases 1649**Insects as food**

- Anabrus simplex*, protein quality 903
- books 439
- man
 - aquatic insects, Uganda 471
 - Simulium rubrithorax* 4201
- protein quality, models 3498

Integrated control

- Aedes* 4157
- Amblyomma americanum* 5291
- Anopheles* 1000, 2294, 4170
- Culex quinquefasciatus* 5447
- Culicidae 507, 940, 2718, 4601, 4610
- Ixodidae 1573
- Loxosceles reclusa* 1173
- Periplaneta americana* 1745
- tickborne diseases 638

Integrated pest management

- conferences 878
- pests, animal housing 3336

Invertebrates, metals, toxicology, books 3420***Iphidosoma fimetarium*, *Necrophorus quadripunctatus*, phoresy 5853*****Ipomoea aquatica*, aquatic insects, Nigeria 5044*****Ipomoea ascartolia*, aquatic insects, Nigeria 5044****Iprobenfos, nontarget effects, aquatic insects 826****Iran**

- Anopheles* 91
- Culicidae 4611
- Kraepelinia palpator* 5344
- Osmanius persicus* 4258

Iranihindia nepalensis*, taxonomy, nomenclature 1064*Iraq**

- Carasobarbus*, parasites 3877
- cats, parasites 4597
- Culicidae, bibliographies 5106
- Cyprinidae, parasites 3875-3876
- Dermestes* 3745
- Mesostigmata 4818
- Phlebotominae 4671
- Simulium pseudequinum* 5659-5660

- Irena cyanogaster*, *Odontacarus mahaplagensis*, Philippines 2004
- Iridomyrmex*, man, bites 3305
- Iridomyrmex humilis*
Australia, reports 2123
behaviour
foraging 1944-1945
reproduction 1117
social behaviour 1946, 3773
development, energy relations 1943, 1947
distribution, Bermuda 4775
heathland, South Africa 1520
insecticides, toxicity 1952
mites 2017
ontogeny
caste determination 628
sex differentiation 626
reproduction, polygyny 1946
- Iridovirus*
Aedes caspius, *Lymantria dispar*, cell lines, infections 5571
insects, cell lines, infections 5932
- Irish Republic**
Ephydriidae, collections 4746
fauna, identification 2116
Heteroptera 56
Ixodes ricinus 1550
Lyme disease, epidemiology 1193
Metastigmata 4796
Mustela erminea hibernica, ectoparasites 922
Sarcoptes scabiei 327
Simulium 193
Wexford virus 2598
- Irish Sea**, *Scomber*, parasites 1618
- Iron**, distribution, Chironomidae, X ray microprobe analysis 3721
- Irrigation**
Anopheles, Kenya 5141
Anopheles gambiae, Kenya 2333
- Ischnopsyllidae**, taxonomy, morphotaxonomy 2206
- Ischnopsyllus*, Chiroptera, Poland 4151
- Ischnopsyllus hexactenus*, Vespertilionidae, Poland 678
- Ischnopsyllus intermedius*, Vespertilionidae, Poland 678
- Ischnopsyllus needhami*
morphology, larvae, setae 59
Pipistrellus, China 59
- Ischnopsyllus obscurus*, Vespertilionidae, Poland 678
- Ischnopsyllus octactenus*, *Pipistrellus pipistrellus*, UK 5100
- Ischnura*, prey, *Culex tarsalis* 1818
- Ischnura barberi*, prey, *Culex tarsalis* 2963
- Ischnura senegalensis*, prey, *Culex pipiens*, predation 4160
- Isfahan virus**, vectors, arthropods, infection 5305
- Isobutylamides**, toxicity, insects 2745
- (2*E*,4*E*)-*N*-Isobutyl-6-phenylhexa-2,4-dienamide, chemistry, photochemistry 1281
- Isofenphos** (1-methylethyl 2-[[ethoxy[(1-methylethyl) amino]phosphinothioyl]oxy]benzoate) toxicity, *Ctenocephalides felis* 3548
- Isohelea*, taxonomy, new status 5983
- Isomermis balcarcensis*
hosts, *Simulium bonaerense* 5944
taxonomy, new species 5944
- Isomermis ventania*
hosts, *Cricotopus* 5944
taxonomy, new species 5944
- Isometroides vesus*, genetics, cytogenetics 3864
- Isometrus maculatus*, genetics, cytogenetics 3864
- Isometrus melanodactylus*, genetics, cytogenetics 3864
- Isomyia oestaraeae*, distribution, Bangladesh 5730
- Isomyia pseudonepalana*, distribution, Bangladesh 5730
- α -Isooctadecyl- ω -hydroxypoly(oxy-1,2-ethanediyl)
control, *Aedes albopictus* 2268
effects, aquatic plants 2786
- Isopeda pessleri*, man, bites, Australia 3219
- Isopoda**
dwellings, German Democratic Republic 2435
freshwater fishes, USSR 2044
marine fishes, lesions 2565
taxonomy 2041
- Isoptera**, medical entomology, Australia 3937
- Isotoma*, *Avitellina centripunctata*, life cycle 2463
- Isoxathion** (*O,O*-diethyl *O*-(5-phenyl-3-isoxazolyl) phosphorothioate) toxicity, *Cheyletus malaccensis* 1153
- 3-Isoxazolyl methanesulfonates**, toxicity, insects 4989
- Israel**
Anopheles 5172
Blattaria 2171
cattle, ectoparasites 5801
Culicidae 3575
Culicoides imicola 2345
Entomophthorales 2702
Hipposiderobia 3834
house dust mites 2537
Leiurus quinquestriatus 4367
man, ectoparasitoses 1332
Metastigmata 5802
Oestrus ovis 1085
Pediculus capitis 42, 1334
pesticides, poisoning 1275, 5978
Phlebotomus papatasi 3001
Rhipicephalus bursa 4815
Rickettsia, epidemiology 3251
Sarcoptes scabiei 2542
Scolopendra 1624
Strigiphilus 4577
tickborne relapsing fever, epidemiology 1643
trachoma
control 4915
epidemiology 1201
Tunga penetrans 928
West Nile virus, epidemiology 1635
- Issyk-Kul virus**, epidemiology, reviews 737
- Italy**
Anopheles 5172
Arachnida 4858
Argasidae 3804
Bacillus, insects 4949
cattle, ectoparasites 1912
Cephenemyia stimulator 5751
Ctenocephalides 1355
Dasychira pudibunda 4755
Dermatobia hominis 4238
Dermatophagoides pteronyssinus 5394, 5397
Diptera 5717
Eristalis tenax 4249, 4750
farm workers, pesticides, poisoning 2100
fungi, arthropods 4955
Gasterophilus 5752
human milk, pesticide residues 2790
Hymenoptera 1108
insects 1311
Ixodes 3805
Lyme disease, epidemiology 2616
Mallophaga 3531
Metastigmata 5852
Oestrus ovis 5750
Parasarcophaga crassipalpis 3682
pesticides, legislation 810
Phlebotominae 3011, 5653
Phlebotomus 5643, 5652
Phlebotomus papatasi 5654
Phlebotomus perfiliowi 3013
Phlebotomus perniciosus 3626
Przhevalskiana silenus 5753-5754
Psoroptes ovis 5877
Psychodidae 4242
Rhipicephalus pusillus 1977
Rhipicephalus sanguineus 2484
Rickettsia, epidemiology 2060
Rickettsia conorii, epidemiology 2059, 2614-2615, 4415, 4417-4418, 4436, 4439-4441
Rickettsia typhi, epidemiology 2613, 4444
ruminants, ectoparasites 5873
- Italy cont.**
Sarcoptes scabiei 2540
Scarabaeidae 3734
Sergentomyia minuta 5193
Siphonaptera 5521
Tarsopolipus 3189
Thaumetopoea 3108
Thaumetopoea pityocampa 3104-3105, 4759
Thaumetopoea processionea 3107
tularaemia, epidemiology 4437-4438
Vespa crabro 4279
- Iva frutescens**, *Tabanus*, USA 3040
- Ivermectin** (22,23-dihydroavermectin B₁)
analytical methods, HPLC 4517
boluses, controlled release 290
books 5029
cattle, cost benefit analysis 4966
chemistry, synthesis 5414
control
Acari 1171
Amblyomma americanum 4789
Argas persicus 4296
cattle, parasites 3845
Chorioptes bovis 1610
Demodex bovis 1150, 1588, 2519
Demodex canis 1584, 1589
Dermacentor 302
Dermatobia hominis 582, 2410
Diptera 2404
ectoparasites 1154-1155, 1167, 2469, 4591, 4965, 4984
horses 3934, 4963
pets 4964
Gasterophilus 3699, 3709
Gasterophilus intestinalis 5749
Hypoderma 1913, 5255
Hypoderma lineatum 2414
Ixodes ricinus 4305
Ixodidae 290
Knemidokoptes mutans 694
Myobia musculi 1151
Notoedres cati 1168, 3848, 4359
Pediculus humanus 2903
Pneumonyssoides caninum 1582
Psorobia ovis 313, 4326
Psoroptes cuniculi 690, 1609, 3857, 5339
Psoroptes ovis 5338
reindeer, ectoparasites 2074
Sarcoptes scabiei 1604-1606, 2545, 3847, 3850, 3852, 3854, 4840-4841, 4843-4844, 4846
- effects
cattle dung, fauna 1501
dogs, nervous system 2770
Periplaneta americana, nervous system 4126
rats, reproduction 5426
environmental impact 5018, 5437
Haematobia irritans, bioassays 4789
Onchocerca volvulus, transmission 5207
pharmacokinetics, dogs 5009
poisoning, cats 1168
registration 5028
research 4973
residues, milk, pharmacokinetics 2107
safety, domestic animals 5007
soil, environmental fate 5435-5436
sublethal effects
Calliphora vomitoria 1476
Rhipicephalus appendiculatus 289
toxicity
Acari 2485
sheep 835
- Ivomec** (see Ivermectin)
- Ivory Coast**
Amblyomma 3786
Glossina 4205
Glossina palpalis 199, 568, 4206
pesticides, poisoning 1689
Simulium 3031
Simulium sirbanum 1440
- Ixodes**
cats, skin diseases 3935
control
acaricides 5308
reviews 4791
distribution, British Isles 4796
dogs, France 5308
taxonomy, keys, adults, USA 3161

- Ixodes acuminatus*
birds, France 1978
hosts, Italy 3805
- Ixodes anatis*, morphology, Haller's organ 1563
- Ixodes angustus*, *Borrelia burgdorferi*, USA 3809
- Ixodes arboricola*
birds
France 1978
German Federal Republic 4792
Poland 1995
distribution, Mongolia 4793
- Ixodes brunneus*, distribution, USA 3815
- Ixodes canisuga*
hosts, Italy 3805
- Meles meles*, animal burrows, Europe 467
- Mustela erminea hibernica*, Irish Republic 922
- Ixodes confusus*, morphology, Haller's organ 1563
- Ixodes cookei*
mammals, USA 1981, 5317
tickborne diseases, USA 5286
- Ixodes cordifer*, morphology, Haller's organ 1563
- Ixodes cornuatus*, morphology, Haller's organ 1563
- Ixodes crenulatus*, distribution, Mongolia 4793
- Ixodes dammini*
antigens, salivary glands 2501
- Babesia microti*
development, temperature 3797
transmission 4458
- birds, USA 2478
- Borrelia burgdorferi*
Canada 1210
control 4786
infection 5285
infections 3798
reviews 4787
transmission 668, 2474, 3181
USA 1968, 1980, 2478, 2488, 5811, 5929
vector competence 1974, 5296
- cats, USA 2474
- control
acaricides 2509
environmental management 1964
- distribution
Canada 301, 670
USA 1975, 5850
- dogs, USA 3166
- ecology
development 3176
environmental factors 5851
habitats 1980
host parasite relationships 3817
population ecology 3166, 4306
- forests, USA 4292
- hosts, host preferences 4801
- Ixodes scapularis*, interspecific hybridization 5850
- laboratory animals, bites 668
- mammals, USA 1981
- monitoring, traps 4292
- Odocoileus virginianus*, USA 1964, 3176, 4306, 5292, 5814
- Peromyscus leucopus*, USA 1980, 5296
- pets, Canada 4309
- plant extracts, repellents 3816
- rodents, USA 3817
- saliva, neutrophils, inhibition 3181
- salivary glands, secretions, biotechnology 1529
- sampling 659
- Sylvilagus floridanus*, USA 2488
- tickborne diseases
infectivity 1194
transmission 3184
USA 5286
- Ixodes dendrolagi*, morphology, Haller's organ 1563
- Ixodes dentatus*
Borrelia burgdorferi
USA 2488
vector competence 1974
- mammals, USA 1981
- Sylvilagus floridanus*, USA 2488
- Ixodes drakensbergensis*
cattle, South Africa 5806
ecology, seasonal abundance 5806
- Ixodes festai*
birds, France 1978
Vulpes vulpes, Portugal 3186
- Ixodes frontalis*
birds, France 1978
Emberiza cia, Spain 5822
hosts, Italy 3805
- Ixodes ghilarovi*
Microtus gud, USSR 2483
taxonomy, new species 2483
- Ixodes gibbosus*, hosts, Italy 3805
- Ixodes hexagonus*
distribution, Italy 5852
habitats, France 4295
hosts, Italy 3805
Meles meles, animal burrows, Europe 467
Mustela erminea hibernica, Irish Republic 922
- Ixodes hexaporus*, *Vulpes vulpes*, Portugal 3186
- Ixodes hirsti*, morphology, Haller's organ 1563
- Ixodes holdenriedi*, taxonomy, nomenclature 3156
- Ixodes holocyclus*
allergens
characterization 4299
immunoblotting 3170
dogs, paralysis 1526
man
hypersensitivity, diagnosis 5284
tick paralysis, diagnosis 1142
morphology, Haller's organ 1563
toxins, reviews 1532
- Ixodes laguri*, rodents, USSR 4290
- Ixodes laguri laguri*, distribution, Mongolia 4793
- Ixodes lividus*
birds, France 1978
distribution, Mongolia 4793
Riparia riparia, Poland 2207
- Ixodes marxi*, mammals, USA 1981
- Ixodes melicola*, *Meles meles*, animal burrows, Europe 467
- Ixodes nipponensis*, man, bites 5809
- Ixodes ochotonae*, taxonomy, synonyms 3156
- Ixodes ovatus*, biology, development 5306
- Ixodes pacificus*
behaviour, host-seeking behaviour 1567, 4797
- Borrelia burgdorferi*
control 4786
reviews 4787
transmission 1533, 3277
USA 1538, 3808, 4797
distribution, USA 3815
hosts, host preferences 4801
Sceloporus occidentalis, USA 1538
- Ixodes passericola*, distribution, Mongolia 4793
- Ixodes persulcatus*
behaviour, host-seeking behaviour 1985
- Borrelia burgdorferi*
China 3807
control 4786
reviews 4787
transmission 1533
USSR 3806
distribution, Mongolia 4793
ecology, population ecology 1988
Kemerovo serogroup viruses, USSR 2584
Powassan virus, transmission 5810
rearing techniques 1987
small mammals, USSR 1984
tickborne encephalitis virus
transmission 754
USSR 1988, 2482, 2581, 2586
- Ixodes pilosus*
cattle, South Africa 5806
ecology, seasonal abundance 5806
- Ixodes prokophovi*, distribution, Mongolia 4793
- Ixodes ricinus*
antigens, detection, immunoblotting 1144
- Ixodes ricinus* cont.
Babesia divergens, infections 3187
birds, France 1978
- Borrelia burgdorferi*
control 4786
detection 2479
Irish Republic 1550
reviews 1134, 4787
transmission 1533
UK 1193
USSR 3806
- cattle
boluses 4305
Spain 3789
USSR 648
- Central European encephalitis virus, Austria 3183
- colliery spoil, Czechoslovakia 1554
- control
acaricides 648, 4305
environmental management 1638
- Cytoecetes phagocytophila*, transstadial transmission 651
- distribution, Italy 5852
- ecology
population ecology 5821
seasonal abundance 4802
- habitats, France 4295
- hosts
feeding 5288
Italy 3805
Poland 1995
- Kemerovo serogroup viruses, Czechoslovakia 2584
- laboratory animals, immune response 1139
- Lacerta*, Poland 1994
- livestock, Yugoslavia 3627, 5821
- louping-ill virus, transmission 740
- man
bites 653
Finland 3155
German Federal Republic 2634
morphology, abnormalities 294, 1963
- Mustela erminea hibernica*, Irish Republic 922
- rabbits, immune response, cyclosporin A 1145
- rodents
Berlin 4802
USSR 4290
Yugoslavia 4795
- sheep
Czechoslovakia 2499
UK 292, 1546
- small mammals, Czechoslovakia 1569
- Staphylococcus aureus*, mechanical transmission 1546
- tickborne diseases, Czechoslovakia 293
- tickborne encephalitis virus
transmission 754
USSR 2581
- tickborne fever, UK 292
- Tribec virus, Czechoslovakia 4302
- Vulpes vulpes*, Portugal 3186
- Ixodes rubicundus*
control, acaricides 2507
ecology
seasonal abundance 666, 5848
spatial distribution 2511
- Oryx gazella*, tick paralysis, South Africa 1141
- sheep
paralysis 1551
South Africa 2507, 2511, 5848
tick paralysis 666
- Ixodes scapularis*
Borrelia burgdorferi
Canada 1210
control 4786
reviews 4787
transmission 1533, 1562
USA 1552
distribution, USA 5850
Ehrlichia risticii, transmission 2495
hosts, host preferences 4801
- Ixodes dammini*, interspecific hybridization 5850
- tickborne diseases, USA 5377
- Ixodes simplex*, Vespertilionidae, Poland 678

Ixodes texanus, mammals, USA 1981**Ixodes trianguliceps**

hosts, Italy 3805
Neomys, Poland 2547
 rodents

USSR 4290
 Yugoslavia 4795

small mammals
 Czechoslovakia 1569, 5863
 USSR 1984

Ixodes trichosuri

Cercopithifilaria johnstoni, transmission 2471

morphology, Haller's organ 1563

Ixodes uriae

Kemerovo serogroup viruses 2590, 2598
Rissa tridactyla, France 5823

Ixodes ventralis, birds, France 1978**Ixodes vespertilionis**

Chiroptera, German Democratic Republic 304

hosts, Italy 3805
 Issyk-kul virus, transmission 737

Ixodes woodi, man, USA 3156**Ixodidae** 4808

Apodemus, Poland 1997

arboviruses
 Czechoslovakia 1634
 transmission 1130

biochemistry

proteins, phosphorylation 1534
 salivary glands, regulation 1534

birds, Poland 1559-1560

control

acaricides 2717, 3178, 4291, 5873
 nontarget effects 2785

pesticides 5514

diapause, reviews 655

distribution, Poland 1570

Elaphe longissima, control, acaricides 2469

hides and skins, Pakistan 4836

host parasite relationships, saliva 1528

hosts, bites, pathology 3799

human immunodeficiency virus, transmission 1190

Kyasanur Forest disease virus, transmission 739

laboratory animals, resistance 1527

livestock

Africa 638

control

immunization 3787

India 3243

India 3178

skin diseases 5873

mammals, Poland 1524

pets, control, acaricides 4598, 5102

pheromones, reviews 5837

Powassan virus, transmission 747

rearing techniques 3819

repellents 4291

Rickettsia rickettsii, transmission 3258

Rickettsia sibirica, transmission 300

small mammals

Czechoslovakia 286

site classification 285

Theileria, transmission 4308

tickborne diseases, Israel 5802

Jacobsonina spinifera, taxonomy, new combination 4136

Jacobsonina tricaudata, taxonomy, new combination 4136

Jamaica

Aedes aegypti 5546

Cochliomyia hominivorax 3065

Lyme disease, epidemiology 3248

Jamestown Canyon virus

epidemiology, reviews 729

horses, USA 4377

Odocoileus hemionus, USA 3889

vectors, *Aedes albopictus*, transmission 2283

Japan (see also Ryukyu Archipelago)

Aedes albopictus 4498, 5121, 5132-5133, 5537

Aedes riversi 5156, 5584

Apitlotus longinervis 5262

Boettcherisca 1899

Boettcherisca peregrina 1484

Chironomidae 244-245, 1089

Japan cont.

Chironomus kiiensis 3714

Chironomus plumosus 2423

Coproica hirtula 5761

Culex pipiens 957, 1384, 5152, 5164

Culex pipiens group 83

Culex tritaeniorhynchus 5155

Culicidae 1369, 2948, 2956, 3571

Culicoides 1017

Culicoides oxystoma 1852, 2343

Dermatophagoides 4335

Diptera 2931, 5638, 5667

Dirofilaria immitis, epidemiology 3298

Gymnophora 4241

Haemaphysalis longicornis 641, 2506, 5281

Homoptera 925

house dust mites 323

Hybomitra 1040

Ixodidae 5809

Japanese encephalitis virus 710

epidemiology 2578

Leptocera fuscipennis 1087

Lotophila 5258

Lucilia sericata 226

Melanomya 2397

Metleucauge 2027

Musca conducens 5232

Musca domestica 5702

Parasarcophaga crassipalpis 2395

Protocalliphora 3691, 4235

Rickettsia, epidemiology 5375

Rickettsia tsutsugamushi, epidemiology 312

rickettsial diseases, epidemiology 5926

Silphidae 600

Simuliidae 1026, 5662

Simulium 5206

Simulium oshimaense 1030

Siphunculina 5764

Tabanidae 1039, 5213, 5668-5670, 5686

Toxorhynchites okinawensis 4643

Trombiculidae 5325

Vespa 1940

Vespa simillima 3769-3770, 5789

Japanese encephalitis, man, Australia 3245

Japanese encephalitis virus

Aedes albopictus, cell lines, infection 4405

antigens, detection, monoclonal antibodies 2589

assays, ELISA 5901

Baculovirus, biotechnology, vaccines 5360

cattle, Japan 2578

Chiroptera, India 5355

Cimex hemipterus, cell lines, infection 54

Culicidae, cell lines, infection 158, 4414

epidemiology

India 350

reviews 738

man, diagnosis, ELISA 3887

pigs, India 347

RNA fingerprint analysis 1187

strains, genetic variation 710

vectors

Aedes japonicus, vector competence 2949

Culex

Burma 4163

India 2984

Culex pseudovishnui, India 5146

Culicidae

control, India 5361

India 2944

Japan 3571

Toxorhynchites splendens, infection 140

Javanica indosinica, taxonomy, nomenclature 2398

Jerry Slough virus, *Odocoileus hemionus*, USA 3889

Jetting, sheep, evaluation 4500

JKT-7400 virus, hosts, Culicidae, pathogenicity 4174

Johnbelkinia ulopus, phytotelmata, Venezuela 5592

Jordan, Phlebotominae 182

Juncus roemerianus, *Culicoides*, USA 1013, 3617

Juniperus virginiana, Blattaria, repellents 1747

Juvenile hormone analogues

chemistry

structure activity relationships 410

synthesis 1664, 2081

effects, *Triatominae* 1664

toxicity, *Triatoma infestans* 2081

Juvenile hormone antagonists, pest control 3341

Juvenile hormone III

binding, lipophorin, *Periplaneta americana* 2889

biochemistry, molecular structure 3472

Drosophila melanogaster, development 5

effects

Aedes aegypti

fat body, DNA 4615

reproduction 1834

Argas arboreus, embryogenesis 1542

metabolism, *Nauphoeta cinerea* 2886-2887

Juvenile hormones

metabolism, *Dermacentor variabilis* 3168

metabolites, analytical methods 5457

radioimmunoassay 2156

Kagoshima virus

taxonomy, new species 2343

vectors, *Culicoides oxystoma*, Japan 2343

Kala azar (see also *Leishmania donovani*)

Kao Shuan virus, vectors, *Argas robertsi*, Asia 3159

Karshi virus, hosts, laboratory animals, pathogenicity 2052

Kasaulius, taxonomy, phylogeny 3631

Kawasaki disease (see Mucocutaneous lymph node syndrome)

(see also Mucocutaneous lymph node syndrome)

Kayella lacerta, distribution, USA 3815

Kaysius, taxonomy, new genus 2896

Kaysius emersoni

Glyphorhynchus spirurus, Peru 2896

taxonomy, new species 2896

Kelerinirmus fuscus, *Phasianus colchicus*, Poland 1327

Kemerovo serogroup viruses

taxonomy

chemotaxonomy 2584, 2590-2591

classification 4398

molecular genetics 2598

Kemerovo virus, taxonomy, serotaxonomy 2588

Kenya

Aedes 950

Aedes mcintoshi 2305

Anopheles 1825, 2957, 4628, 4645, 5118, 5124-5125, 5141, 5627, 5631

Anopheles arabiensis 5618

Anopheles gambiae 1826, 2333, 4659

Anopheles merus 1399

bovine ephemeral fever virus, epidemiology 3906

Culex quinquefasciatus 1378

Culicidae 2306, 5530

Culicoides 2999

fowls, pesticide residues 854

game animals, ectoparasites 1990

Glossina 1451, 4205, 4692-4693, 5687

Glossina pallidipes 1045, 1048, 1448, 3642, 4207, 4211-4213, 5214, 5216

goats, parasites 3855

Ixodidae 4298

Leishmania, epidemiology 3294

Odontotermes 2465

Phlebotominae 5187

Rhipicephalus 1976

Rhipicephalus appendiculatus 3793, 5813

Sarcophagidae 3689

Tarsophilus 3189

trypanosomiasis

control 4690

- Kenya cont.**
 trypanosomiasis cont.
 epidemiology 1876-1877, 4691
Uranotaenia nigripes 163
Varanus niloticus, ectoparasites 4799
- Keratella valga**, carbaryl, effects, population ecology 4059
- Kerguelen Archipelago**
 Coleoptera 3091
 Diptera 2930
- Keterah virus**, epidemiology, reviews 737
- Keys**
Agabus, North America 5266
 Ambositrinae, New Zealand 4108
Anopheles quadrimaculatus, sibling species, electrophoresis 1821, 2272
 Anophelinae, Central America 4617
 Aphodiinae, tribes 5774
 Apoloniinae, larvae 3192
 aquatic insects, North America 440
 Araneae
 Australia 3222
 UK 3221
 Athienemanniidae, genera 5321
 Braconidae, USSR 2822
 Calliphoridae, Bangladesh 5730
 Ceratopogonini, genera 5983
 Chalcidoidea, New Zealand 3429
 Chironomidae, North America 232
 Coleoptera, Turkey 4090
Crumomyia, Palaearctic Region 2420
 Cryptostigmata
 North America 2006
 Saudi Arabia 1156
Culex, North America 951
 Culicidae
 Australasia 4093-4100, 4521
 North America 106
Culicomyia, larvae 5154
Culicoides, Kenya 2999
 Diplopoda, Canada 4373
 Diptera
 adults 71
 larvae 70, 3063, 5982
 UK 3423
Dolichovespula, UK 4767
 Drosophilidae
 Africa 3078
 genera 1917
 Eupelmidae 5271
Fannia, Pakistan 5696
Forcellinia, hypopi 2017
 Formicidae
 America 2462
 Europe 1948
 Saudi Arabia 3774
Fucellia, larvae, China 5692
Gigantodax, South America 3635
Gymnophora, Asia 4241
Haemaphysalis, Thailand 3165
 Hemiptera, USSR 2820
 Heteroptera, British Isles 56
 Hoplocephalina, genera 2398
 Hydrophilidae, Canada 251
 Hymenoptera 1292
 insects
 larvae 4525
 tropics 4088
 Ixodidae, adults, USA 3161
 Laelapidae, Poland 5316
 Leeuwenhoekiiinae, genera, America 3194
Lilaea, subgenera 5685
Lotophila, Holarctic Region 5258
Lutzomyia, Bolivia 3007
Megaselia, UK 3422
 Momoniidae, genera 5858
 Mymaridae, New Zealand 3428
 Myocoptidae, Poland 696
 Myriapoda
 Canada 3232
 South America 4877
 Parasitengona, USSR 311
Pediculaster 2520
 Phlebotominae
 Cyprus 3012
 French Guiana 4103
 Phthiracaroidea 316
Phumosi, Oriental Region 1071
Protomyobia 1591
 Pyroglyphidae 3401
- Keys cont.**
Ranatra, USSR 2198
 Sarcophagidae, Nepal 1064
 Sarcophaginae, Pakistan 5731
Schizocarpus, Nearctic Region 3214
 Scorpiones, Brazil 4859
 Sepsidae, Pakistan 5762
Sergentomyia, Australasia 5651
 Simuliidae, North America 183
Simulium, Ecuador 194
Simulium metallicum, sibling species, larvae 5203
 Siphonaptera, North America 5097
Siphunculina, Oriental Region 5764
Sphaeridium, Palaearctic Region 5781
Strigiphilus 4577
Sulcinephia 2361
Tabanus, Portugal 5675
Tachypompilus, Argentina 636
Tarsopolipus 3189
 Triatominae, America 47
 Trombiculidae, Philippines 2004
- Keystone virus**
 epidemiology, reviews 729
 vectors
Aedes albopictus, transmission 2283
Aedes atlanticus, transmission 1406
- Kheper lamarki**, *Tarsopolipus hallidayi*, Africa 3189
- Kiefferomyia**, taxonomy, nomenclature 5983
- Kin-X** (see Bioallethrin)
- Kiribati**, dengue virus, epidemiology 5362
- Kiricephalus coarctatus**, *Nerodia*, USA 3881
- Kivuicola**, taxonomy, new genus 3401
- KK-42**, effects, *Neobellieria bullata*, development 5245
- Klebsiella**, Silphidae, isolation 1502
- Klebsiella pneumoniae**, vectors, Formicidae, Trinidad and Tobago 5791
- Klemania lanata**, *Spermophilus suslicus*, Poland 1996
- Kleemannia nova**
 manure, Egypt 4312
 taxonomy, new species 4312
- Kleemannia parplumosa**
 manure, Egypt 4312
 taxonomy, new species 4312
- Knemidokoptes**, control, acaricides 1171
- Knemidokoptes mutans**
 control, acaricides 694
 fowls, skin diseases 694
- Knemidokoptes pilae**
 aviary birds, Turkey 695
 control, acaricides 695
- Knox Out** (see Diazinon)
- Kobus ellipsiprymnus**, ectoparasites, Kenya 1990
- Kogotus modestus**, prey, Ephemeroptera, predation 4780
- Kokobera virus**, man, Australia 5913
- Kora II**, toxicity, insects 820
- Korea Democratic People's Republic**, Sciomyzidae 1499
- Korea Republic**
Aphodius 3736, 5265
Culex pipiens 1384
 Culicidae 4610
 entomology 2844
 filariasis, epidemiology 2987
Ornithonyssus bacoti 4320
Otobius megnini 1131
 Sciomyzidae 1499
Siphunculina 5764
Xenopsylla cheopis 4152
- Kozlovea cavangarei**, taxonomy, new species 4231
- Kozloveina**, taxonomy, nomenclature 2396
- Kraepelinia palpator**, distribution, Iran 5344
- Krombeinomyia indica**, taxonomy, new species 2398
- Kunjin virus**
 epidemiology, reviews 742
 genomes, oligonucleotide fingerprinting 1627
 vectors, *Culex quinquefasciatus*, Australia 1822
- Kurodaia subpachygaster**, *Tyto alba*, USA 1918
- Kuwait**, akabane virus, epidemiology 346
- Kyasanur Forest disease virus**
 epidemiology, reviews 739
 man, reviews 4395
- La Crosse virus**
Aedes albopictus
 cell lines
 infection 548, 4412
 infections 2602
 Culicidae, cell lines, infection 4399
 epidemiology, reviews 729
 man, USA 713
 messenger RNA, synthesis 2601
Odocoileus hemionus, USA 3889
 vectors
Aedes, vector competence 2958
Aedes albopictus
 transmission 2283
 USA 4631
Aedes triseriatus group, vector competence 152
- Labeo rohita**
Argulus siamensis, India 5890
 endosulfan, effects, lactate dehydrogenase 2097
 pesticides, effects 5963
- Labidura riparia**, cattle dung, China 5718
- Labidus praedator**, *Callithrix humeralifer*, interactions 1116
- Laboratory animals**
 Acari, ectoparasitoses 1154-1155
Rhyncopetes grabberi, USA 2020
Tarsonemoides noxius, skin diseases 1587
- Laboratory strains**, *Culex quinquefasciatus*, Japan 83
- Laccophilus**, prey, *Culex tarsalis* 1818, 2963
- Laccophilus maculosus**, *Bacillus thuringiensis*, pathogenicity 77
- Lacerta agilis**
 ectoparasites, Poland 1994
Ixodes ricinus, feeding 5288
- Lacerta vivipara**, ectoparasites, Poland 1994
- Lactic acid**, attractants, Culicidae 1237
- Laelaps agilis**
Crociodura leucodon, Poland 1993
 ecology, seasonal abundance 5856
 Muridae, Spain 5856
 rodents
 Czechoslovakia 305
 USSR 4290
 small mammals, Czechoslovakia 307
- Laelaps algericus**
 ecology, seasonal abundance 5856
 Muridae, Spain 5856
 rodents, USSR 4290
- Laelaps hiliaris**, small mammals, Czechoslovakia 307
- Laelaps multispinosus**, mammals, USA 5317
- Laelaps muris**, *Arvicola terrestris*, nests, Switzerland 4321
- Laelaps pitymydis**, rodents, USSR 4290
- Laelaps stabularis**, *Arvicola terrestris*, nests, Switzerland 4321
- Laemobothrion maximum**, *Buteo buteo*, Italy 3531
- Lagaropsylla anciauxi**, *Tadarida ansorgei*, South Africa 498
- Lagaropsylla hoogstraali**, *Tadarida midas*, South Africa 498
- Lagenidium giganteum**
 control, Culicidae 394, 1403
 hosts, Culicidae, pathogenicity 4624
 mycelia, encapsulation, alginates 4954
 safety, mammals 4953
- Lagoons**
Culex, USA 4625
 Culicidae, USA 4621
- Lagopoeus colchicus**, *Phasianus colchicus*, Poland 1327
- Lama glama** (see Llamas)
- Lambda-cyhalothrin**, resistance, *Aedes aegypti* 532
- Lambornella clarki**
 hosts
Aedes sierrensis 1396, 2315

- Lambornella clarki** *cont.*
 hosts *cont.*
Aedes sierrensis *cont.*
 pathology 1819
- Lamellidens corrianus**, endosulfan, toxicity 4016
- Lamellidens marginalis**
 endosulfan, toxicity 4016
 parathion-methyl, effects, metabolism 2763
- Laminohatschekia synaphobranchi**
Synaphobranchus brevidorsalis, Pacific Ocean 3872
 taxonomy, new species 3872
- Lampometopia**, taxonomy, synonyms 2398
- Lampona cylindrata**, man, bites, Australia 3219
- Lampopeltis getulus**, *Pogonomyrmex maricopa*, venoms, toxicity 1517
- Lanius excubitoroides**, *Myrsidea ugandensis*, Uganda 5483
- Lankesteria culicis**, hosts, *Culex quinquefasciatus*, Cuba 5591
- Lanolin**, pesticide residues, German Democratic Republic 4078
- Lardoglyphus**, dried fish, keys, identification 3102
- Lardoglyphus konoii**, fish, Senegal 4362
- Laridae**, nests, *Ceratophyllus vagabundus*, UK 5099
- Laronyssus martini**, seabirds, Alaska 4849
- Larrousius**, taxonomy, phylogeny 3631
- Larus argentatus**
 Erve virus, France 2593
 organochlorine compounds, residues 2802
- Larus californicus**, Mono Lake virus, USA 1565
- Larvadex** (see Cyromazine)
- Lasers**, effects, *Aedes aegypti*, reproduction 4177
- Lasioderma serricorne**, herbaria, control 2170
- Lasioglossum**, man, hypersensitivity 3120
- Lasionycteris noctivagans**, ectoparasites, USA 5516
- Lasiurus cinereus**, ectoparasites, USA 5516
- Lathridiidae**, caves, Venezuela 3101
- Latrines**, Diptera, control, reviews 4967
- Latrodectus**
 control, pesticides 4854
 dwellings, USA 4854
- Latrodectus geometricus**, distribution, Mexico 699
- Latrodectus hesperus**, physiology, cuticle, permeability 5879
- Latrodectus mactans**
 man, envenomation 1174
 predators 701
 venoms, effects, neurotransmitters 3216
- Latrodectus tredecimguttatus**
 man, envenomation 784
 toxins
 neurochemistry 5341
 reviews 5342
 venoms, effects, bradykinin 2556
- Lead**, distribution, Chironomidae, X ray microprobe analysis 3721
- Leana australis**, man, bites 3305
- Lebanon**, Psychodinae 1496
- Lebertioidea**, marshes, Canada 310
- Lebistes reticulatus** (see *Poecilia reticulata*)
- Lednice virus**, arthropods, Czechoslovakia 1634
- Leeuwenhoeikiinae**, taxonomy, keys, genera, America 3194
- Legislation**, arthropods, food, USA 3340
- Leidynema appendiculata**
 hosts, *Periplaneta americana* 1720
 morphotaxonomy, eggs 2711
- Leidynema portentosa**
 morphotaxonomy, eggs 2711
 ontogeny, embryonic development 4492
- Leioididae**, caves, Venezuela 3101
- Leiomastus xanthurus**, *Lerneaeenicus radiatus*, immune response 2563
- Leishmania mexicana amazonensis** (see *L. amazonensis*)
- Leishmania**
 biology, books 3413
 control, conferences 2637
 dogs 1218
 epidemiology
 Bolivia 3292
 Greece 3296
 models 3886
 Pakistan 3290
 reviews 3625
 Tunisia 3289
 USSR 3288
 man, Brazil 3281
 research, reports 2641
 vectors
Lutzomyia ayacuchensis, Ecuador 5189
Phlebotominae
 ecology 3293
 infections 3282
 reviews 2355
 vectorial capacity 3022
Phlebotomus
 Greece 3295
 India 4200
 Kenya 3294
Phlebotomus rossi, Namibia 2354
 zoonoses 3291
Leishmania aethiopica, vectors,
Phlebotomus, Ethiopia 5198
Leishmania amazonensis
 epidemiology, reviews 4936
 isoenzymes, French Guiana 4932
 vectors
Aedes aegypti, transmission 1648
Lutzomyia, Colombia 5199
Lutzomyia longipalpis, transmission 1856
Lutzomyia youngi, infection 4675
Leishmania braziliensis
 epidemiology, reviews 4936
 vectors
Lutzomyia
 Bolivia 3009, 5194
 Brazil 5192
 Colombia 5199
 infections 2644
Leishmania braziliensis braziliensis, vectors, *Lutzomyia*, Brazil 557
Leishmania braziliensis panamensis, vectors, *Lutzomyia gomezi*, infection 556
Leishmania chagasi
 epidemiology, reviews 4936
 vectors, *Lutzomyia longipalpis*, Colombia 4673
Leishmania donovani
 hamsters, detection 3279
 man, India 4929
 vectors
Phlebotomus
 China 1019
 Yemen Arab Republic 5195-5196
Phlebotomus alexandri
 China 2643
 detection, ELISA 2353
Phlebotomus argentipes, India 558
Leishmania guyanensis
 epidemiology, reviews 4936
 isoenzymes, French Guiana 4932
 vectors
Lutzomyia, Colombia 5199
Lutzomyia umbratilis, Brazil 3000
Leishmania hertigi, *Periplaneta americana*, phagocytosis 2894
Leishmania infantum
 dogs, France 1219
 vectors
Phlebotomus
 USSR 5197
 Yemen Arab Republic 5195-5196
Leishmania infantum chagasi, vectors,
Lutzomyia, Colombia 5199
Leishmania infantum infantum
 vectors
Phlebotomus, Tunisia 4672
Phlebotomus ariasi, Spain 1853
Phlebotomus smirnovi, China 4676
Leishmania major
 rodents, Tunisia 1854
- Leishmania major** *cont.*
 vectors
Anopheles arabiensis, Kenya 4659
Phlebotomus
 Mongolia 181
 Tunisia 4672
Phlebotomus papatasi
 detection, DNA probes 3016
 infections 3624
 Morocco 2351
 susceptibility 5200-5201
- Leishmania mexicana**
 epidemiology, reviews 4936
 vectors
Lutzomyia
 Bolivia 3009
 Colombia 5199
- Leishmania minor**, vectors, *Phlebotomus papatasi*, infection 3628
- Leishmania panamensis**
 epidemiology, reviews 4936
 vectors, *Lutzomyia*, Colombia 5199
- Leishmania peruviana**, epidemiology, reviews 4936
- Leishmania pifanoi**, epidemiology, reviews 4936
- Leishmania shawi**, taxonomy, new species 3284
- Leishmania tropica**
 vectors
Phlebotomus
 Tunisia 4672
 Yemen Arab Republic 5195-5196
Phlebotomus sergenti, Saudi Arabia 4674
- Leishmania venezuelensis**, epidemiology, reviews 4936
- Leiurus quinquestriatus**
 man, envenomation 4367
 physiology, respiration 4856
 toxins
 effects
 nervous system 5970
 potassium channels 3861
 receptors, amino acids, sequences 3225
 sodium channels, inactivation 2031
 venoms, effects, rats 3224
- Leiurus quinquestriatus hebraeus**, toxins, nuclear magnetic resonance spectroscopy 1616
- Leiurus quinquestriatus quinquestriatus**, toxins, molecular structure 3863
- Lepeophtheirus europaeus**, Pleuronectiformes, Mediterranean Sea 3874
- Lepeophtheirus salmonis**
 Atlantic salmon
 Canada 1179
 Irish Republic 2038
 biochemistry, proteinases 5348
 biology 1179
 control
 nontarget effects 4015
 pesticides 4077
- Lepeophtheirus thompsoni**, turbot, Mediterranean Sea 3874
- Lepidocirtus**, *Avitellina centripunctata*, life cycle 2463
- Lepidoglyphus destructor**
 allergens, cross reactivity 4341
 grain stores, UK 1158
 man
 acarasis 5865
 allergies 321, 1158, 2531, 4339, 4342, 4832
 predators 502
- Lepidoptera**
 man, allergies, reviews 3306
 preparation, genitalia 1932
- Lepiselaga crassipes**, distribution, Surinam 72
- Lepomis cyanellus**
 control, *Anopheles freeborni* 2264
 rice fields
 predator prey relations 931
 sampling 126
 sampling, minnow traps 1011
- Leporacarus gibbus**
 control, acaricides 5860
 nutria, Yugoslavia 5860

- Leporacarus gibbus* cont.
rabbits, skin diseases 5874
- Leporidae**, arboviruses, USA 349
- Leptinus testaceus*, *Muscardinus avelanarius*, nests, UK 501
- Leptocera brachystoma*, distribution, Romania 4740
- Leptocera cilifera*, mites 4313
- Leptocera fontinalis*, mites 4313
- Leptocera fuscipennis*
control, environmental management 1087
dwellings, Japan 1087
ecology, seasonal abundance 1087
- Leptocera hirticula*, distribution, Romania 4740
- Leptocera hirtula* (see *Coproica hirtula*)
- Leptocera hostica*, distribution, Romania 4740
- Leptocera lugubris*, distribution, Romania 4740
- Leptocera nigra*, mites 4313
- Leptocera quadrispina*, distribution, Romania 4740
- Leptocera vagans*, distribution, Romania 4740
- Leptocera varicornis*, distribution, Romania 4740
- Leptocera zosteræ*, distribution, Romania 4740
- Leptocoris trivittatus*, control 5096
- Leptolegnia chapmanii*
hosts, Culicidae, pathogenicity 393
salt tolerance 393
- Leptometopa latipes*, *Nyctalus noctula*, guano, Switzerland 5522
- Leptomonas pulexsimulantis*
hosts, *Pulex simulans* 4596
taxonomy, new species 4596
- Leptophos** (O-(4-bromo-2,5-dichlorophenyl) O-methyl phenylphosphonothioate)
metabolism, rats 5000
- Leptopilina boulardi*, hosts, *Drosophila melanogaster*, parasitism 3115
- Leptopilina heterotoma*, hosts, *Drosophila melanogaster*, parasitism 3115
- Leptopsylla segnis*
anatomy, proventriculus 927
behaviour, feeding behaviour, haematophagy 1782
Rattus norvegicus, Poland 1350
small mammals
Czechoslovakia 66
Spain 5519
- Leptopsylla taschenbergi*, rodents, USSR 4290
- Leptopsylla taschenbergi amitina*, small mammals, Spain 5519
- Leptosyllidae**, taxonomy, morphotaxonomy 2206
- Leptothrix*, hosts, *Aedes echinus* 1393
- Leptotrombidium deliense*
biology, aging 309
distribution, Philippines 2004
pyrethrins, toxicity 308
rodents
Indonesia 4325
Papua New Guinea 4817
- Leptotrombidium europaeum*, small mammals, Czechoslovakia 5863
- Leptotrombidium fuji*
Apodemus speciosus, Japan 5325
ecology, seasonal abundance 5325
- Leptotrombidium gaoheense*, *Rickettsia tsutsugamushi*, China 4824
- Leptotrombidium jishoum*
small mammals, China 5857
taxonomy, new species 5857
- Leptotrombidium pallidum*
Apodemus speciosus, Japan 5325
ecology, seasonal abundance 5325
Rickettsia tsutsugamushi, Japan 5325
- Leptotrombidium russicum*, *Vespertilionidae*, Poland 678
- Leptotrombidium scutellare**
Apodemus speciosus, Japan 5325
ecology, seasonal abundance 5325
Rickettsia tsutsugamushi, Japan 5325
- Leptus clarki**
hosts, *Pogonomymex salinarius* 3835
- Leptus clarki** cont.
taxonomy, new species 3835
- Lepus alleni*, ectoparasites, USA 65
- Lepus californicus*, ectoparasites, USA 65
- Lepus capensis*, parasites, Spain 2468
- Lepus europaeus*, *Francisella tularensis*, Italy 4437
- Lepus saxatilis*
Amblyomma, South Africa 5832
Amblyomma hebraeum, South Africa 5844
- Lernaea*, *Channa marulius*, India 5891
- Lernaea cyprinacea*, Cyprinidae, Iraq 3875
- Lernaeocera branchialis**
behaviour, reproduction 2039
cod, host parasite relationships 2045
staining 705
- Lernanthropus atrox*, *Acanthopagrus australis*, pathology 706
- Lernaenicus radiatus*, *Leiostomus xanthurus*, immune response 2563
- Lestes sponsa*, ecology, food conversion 2466
- Lethocerus*, physiology, muscles 2128-2129
- Lethocerus colossicus*, biochemistry, muscles, ADP, binding 3459
- Lethocerus deyrollei*, behaviour, brood care 58
- Lethrus apterus*, soil, Netherlands 3727
- Leucocytozoon caulleryi*
cryopreservation 1646
vectors, *Culicoides arakawae*, infectivity 3926
- Leucophaea maderae** (see *Rhyarobia maderae*)
- Leucotabanus pauculus*, distribution, Surinam 72
- Levamisole**
control, *Demodex canis* 1584
effects, *Musca vetustissima*, abnormalities 5227
mode of action, *Periplaneta americana* 3355
- Libellula quadrimaculata*, ecology, food conversion 2466
- Liberia**
Glossina 4687
Liberonautes latidactylus 4874
Paragonimus uterobilateralis, epidemiology 5354
Simulium yahense 5207
- Liberonautes latidactylus*, *Paragonimus uterobilateralis*, Liberia 5354
- Liberonautes latidactylus latidactylus*, *Paragonimus uterobilateralis*, Liberia 4874
- Liberonautes latidactylus nanoides*, taxonomy, new subspecies 4874
- Liberonautes latidactylus paludicolis*
Paragonimus uterobilateralis, Liberia 4874
taxonomy, new subspecies 4874
- Liberonautes latidactylus rubigimanus*, taxonomy, new subspecies 4874
- Libraries**, house dust mites, Poland 1594
- Libya**
Anopheles 5582
Cochliomyia hominivorax 1082, 3068, 4232, 5249
- Lilaea*, taxonomy, revision 5685
- Lilaea aureocincta*, taxonomy, new combination 5685
- Lilaea ismayi*, taxonomy, new species 5685
- Lilaea tecticallosa*, taxonomy, new combination 5685
- Limatus*, behaviour, larvae, locomotion 2257
- Limatus durhamii*, phytotelmata, Venezuela 5592
- Limnia paludicola*, distribution, Poland 593
- Limnochironomus nervosus*, behaviour, mating behaviour 3717
- Limnochironomus pulsus*, behaviour, mating behaviour 3717
- Limnogonus fossarum fossarum*, biology, development 4149
- Limnogonus nitidus*, biology, development 4149
- Limnophora patelifera**, taxonomy, redescription 2384
- Limnophyes hamiltoni*, tree holes, USA 11
- Limnophyes hudsoni*, lakes, Japan 1089
- Limnoporos**, taxonomy, chemotaxonomy 5092
- Limnoporos rufoscutellatus*, behaviour, cannibalism 4590
- Limonene**
control, ectoparasites 4598
effects, *Eisenia fetida* 5962
toxicity, *Culex quinquefasciatus* 1400, 4613
- Lindane** ((1 α ,2 α ,3 β ,4 α ,5 α ,6 β)-1,2,3,4,5,6-hexachlorocyclohexane)
absorption
laboratory animals, skin 5006
Rhizopus 4066
chemistry, dehalogenation 3994
contamination, milk, treatment 2106
control
Demodex folliculorum 3190
Dermatophagoides 1162
Pediculus capitis 37, 5486
Sarcoptes scabiei 329, 1600, 1602, 2115, 3853
dipping, sheep 808
effects
Heteropneustes fossilis, enzymes 3371
mice
cholesterol 5425
reproduction 5423
nervous system 4999
Periplaneta americana, γ -aminobutyric acid, receptors 5952
rats 828
calcium metabolism 5424
glutathione 4026
lipid metabolism 5973
liver 1270-1271
phospholipids 4039
reproduction 1679
rodents, immune response 5964
evapotranspiration, soil 5026
exposure, man, Venezuela 4058
histamine, release 5966
humic acids, interactions 2797
membranes, lipids 830
metabolism, rats 1268
mode of action 5952
poisoning, domestic animals 2784
residues
fowls, Kenya 854
human milk, Italy 2790
lanolin 1692
man
Costa Rica 5441
milk 2115
meat, Spain 1282
milk 4075
analytical methods 4061
pigs 2808
Poland 5023
resistance, *Xenopsylla cheopis*, India 2205
toxicity
Barbus stigma 839
Dermatophilus congolensis 812
Periplaneta americana 479
toxicology, safety 2766
- Linguatula*, man, pentastomiasis 3884
- Linguatula serrata*, dogs, Greece 3885
- Linnognathus**
cattle, control, insecticides 5801
control, insecticides 1353, 3180
livestock, India 3180
zoo animals, Poland 1353
- Linnognathus africanus**
control, insecticides 920
goats, Greece 920
- Linnognathus stenopsis**
control, insecticides 920
goats, Greece 920
- Linyphiidae**, rice fields, USA 2023
- Lioprocta notabilis*, taxonomy, nomenclature 5728
- Liopygia ruficornis**
distribution
Nepal 1064
Pakistan 5731

- Liopygia ruficornis* cont.
distribution cont.
South East Asia 5728
- Lipeurus caponis*
fowls
Malaysia 4579
Nigeria 2185
- Lipeurus maculosus maculosus*
morphometrics, nymphs 487
Phasianus colchicus, Poland 487, 1327
- Lipoptena cervi*, distribution, Finland 1711
- Lipoptena fortisetosa*, distribution, Poland 3088
- Lipoptilocnema*, taxonomy 5738
- Lipoptilocnema lanei*, taxonomy, redescription 5738
- Lironeca sinuata*, marine fishes, Black Sea 2043
- Lironeca taurica*, marine fishes, Black Sea 2043
- Lispe assimilis*, distribution, Pakistan 5697
- Lispe bivittata*, distribution, Pakistan 5697
- Lispe consanguinea*, distribution, Pakistan 5697
- Lispe leucospila*, distribution, Pakistan 5697
- Lispe orientalis*, distribution, Pakistan 5697
- Lispe pakistanensis*, taxonomy, new species 5697
- Lispe sericipalpis*, distribution, Pakistan 5697
- Listeria*, vectors, invertebrates, isolation 1217
- Listrophorus americanus*, mammals, USA 5317
- Listrophorus dozieri*, mammals, USA 5317
- Listrophorus faini*, mammals, USA 5317
- Listrophorus gibbus* (see *Leporacarus gibbus*)
- Litargus balteatus*, poultry housing, South Africa 601
- Lithocaris ardenus*, prey, *Stomoxys calcitrans* 1456
- Lithocharis*, pesticides, nontarget effects 4704
- Litosomoides carinii*, vectors, *Ornithonyssus bacoti*, transmission 4821
- Livestock, bluetongue virus, India 3897
- Ljunghia bristowi*, taxonomy, new combination 2024
- LL-F28249
antibiotic acaricides, chemistry, molecular structure 3348
biochemistry
biosynthesis 4502
molecular structure 4501
- LL-F28249 α , control, *Psoroptes ovis* 2546
- Llamas (*Lama glama*)
ectoparasites, control 1224
- Llano Seco virus, birds, USA 349
- Loa loa*, vectors, *Chrysops*, Congo 1043, 5210
- Loboptera*
taxonomy 5477
redescription 4136
- Loboptera loboptera*, taxonomy, new combination 4136
- Lokern virus
mammals, USA 349
Odocoileus hemionus, USA 3889
vectors, *Culicoides*, USA 5180
- Lophocerotomyia annulata*, taxonomy, nomenclature 4097
- Lophocerotomyia cairnsensis*, taxonomy, nomenclature 4097
- Lophoura cornuta*
Synaphobranchus brevadorsalis, Pacific Ocean 3872
taxonomy, redescription 3872
- Lord Howe Island, Blattaria 3500
- Lotophila*, taxonomy, revision 5258
- Lotophila atra*
distribution, Czechoslovakia 2426
taxonomy, synonyms 5258
- Lotophila bicolor*, taxonomy, new species 5258
- Lotophila confusa*, taxonomy, new species 5258
- Lotophila norrbomi*, taxonomy, new combination 5258
- Lotophila pallida*, taxonomy, redescription 5258
- Louping-ill virus, epidemiology, reviews 740
- Loxosceles*
control, pesticides 4854
dwellings, USA 4854
toxins, reviews 5342
- Loxosceles reclusa*
control, integrated control 1173
man
envenomation 1174, 3217
reviews 3859
treatment 1612
- Loxothylacus panopei*, *Rhithropanopeus harrisi*, pheromones, effects 4867
- Lucilia*
cattle, Italy 5717
control, USA 4224
physiology, vision 5726
- Lucilia bismarckensis*, distribution, Bangladesh 5730
- Lucilia caesar*
biochemistry, glycosphingolipids 5725
taxonomy, morphotaxonomy, eggs 1067
upland areas, UK 2394
- Lucilia coeruleiviridis*, taxonomy, larvae 3063
- Lucilia cuprina*
allergens 3074
behaviour
feeding behaviour 5740
learning 5239
colour 4715
oviposition 4230, 4726
biochemistry, larvae, proteinases 3069
control
genetic control 5720
growth regulators 3685, 5744
insecticides 5745
trapping 4731
cyromazine, effects, cuticle 3681
cytochemistry, photoreceptors, enzymes 3468
diazinon, resistance, genetics 225
histochemistry, cuticle, phenoloxidases 223
insecticide resistance, genetics 3666
man
hypersensitivity 1078
myiasis 3067
molecular genetics, genes, cloning 4724
physiology
feeding 1896
vision 1073, 5239, 5248
plant extracts, moulting hormones, effects 3990
pyrethroids, resistance, Australia 1068
rearing techniques 1480
reproduction, mating 5740
sheep
control, insecticides 4500
immune response 3671
myiasis 1063, 1475, 1480, 3069, 3685, 5744-5745
fleece rot 3070
resistance, genetics 3664-3665, 3667
taxonomy, larvae 226, 3063
ultrastructure
ovipositors, sensilla 2393
photoreceptors 3053
- Lucilia eximia*, taxonomy, larvae 3063
- Lucilia ibis*, taxonomy, larvae 3063
- Lucilia illustris*
carrion, mercury 3743
parasitoids 5269
taxonomy, larvae 3063
- Lucilia papuensis*, distribution, Bangladesh 5730
- Lucilia sericata*
anatomy, muscles, eclosion 1788
biology, development 1076
carrion, USA 5734
cattle dung, China 5718
control
biological control 3071
growth regulators 3696
livestock, myiasis 5732
morphology, adults 3684
- Lucilia sericata* cont.
morphotaxonomy, larvae 3683
parasitoids 5269
parasitism 5783
physiology, flight 3675
rabbit housing, control 4223
sheep
myiasis 3696
New Zealand 3071
taxonomy
larvae 226, 3063
morphotaxonomy, eggs 1067
- Luciola carinata*, ecology, Thailand 3747
- Luciola circumlata*, ecology, Thailand 3747
- Luciola circumdata*, ecology, Thailand 3747
- Luciola japonica*, ecology, Thailand 3747
- Lumbriculus variegatus*, hexachlorobenzene, uptake 2760
- Lumbricus terrestris*, cypermethrin, metabolism 2094
- Lutzomyia*
Leishmania
Colombia 5199
French Guiana 4932
reviews 2355
transmission, reviews 4936
- Leishmania braziliensis*, infections 2644
- Phlebovirus*, transmission 746
taxonomy
identification, computer techniques 4103
keys, Bolivia 3007
phylogeny 3631
- Lutzomyia abonnenci*, *Ascogregarina chagasi*, infection 1430
- Lutzomyia andina*, taxonomy, chemotaxonomy 3003
- Lutzomyia ayacuchensis*, *Leishmania*, Ecuador 5189
- Lutzomyia bifoliata*, sex pheromones 3005
- Lutzomyia carmelinoi*, genetics, karyotypes 1018
- Lutzomyia carrerae carrerae*
forests, Bolivia 3008
Leishmania, Bolivia 3009
Leishmania braziliensis, Bolivia 5194
- Lutzomyia cayennensis*, dwellings, Costa Rica 4677
- Lutzomyia chipanensis*, dwellings, Costa Rica 4677
- Lutzomyia columbiana*
Ascogregarina chagasi, infection 1430
genetics, karyotypes 1018
taxonomy, chemotaxonomy 3003
- Lutzomyia cruzi*, sex pheromones 3005
- Lutzomyia davis*, forests, Bolivia 3008
- Lutzomyia dendrophyla*, *Leishmania*, Bolivia 3009
- Lutzomyia erwindonaldi*, genetics, karyotypes 1018
- Lutzomyia evandroi*, *Leishmania braziliensis*, Brazil 5192
- Lutzomyia evansi*, dwellings, Costa Rica 4677
- Lutzomyia fischeri*, dwellings, Brazil 3010
- Lutzomyia flaviscutellata*, distribution, Surinam 72
- Lutzomyia gomezi*
genetics, karyotypes 1018
Leishmania braziliensis, infection 556
- Lutzomyia intermedia*, dwellings, Brazil 3010
- Lutzomyia ischyrantha*, sex pheromones 3005
- Lutzomyia ishnacantha*, sex pheromones 3005
- Lutzomyia lichi*, sex pheromones 3005
- Lutzomyia llanosmartinsi*, *Leishmania braziliensis*, Bolivia 5194
- Lutzomyia longiflocosa*, taxonomy, chemotaxonomy 3003
- Lutzomyia longipalpis*
Ascogregarina chagasi, infection 1430
Bacillus thuringiensis, toxins, toxicity 1022
behaviour, feeding behaviour 1856
biochemistry, saliva, vasodilator agents 1431
dwellings, Costa Rica 4677

force feeding 3628
Leishmania amazonensis, transmission 1856
Leishmania braziliensis, Brazil 5192
Leishmania chagasi, Colombia 4673
mice, feeding, animal behaviour 3630
monitoring, traps 3004
sex pheromones 1020, 3004-3005, 3021
taxonomy, identification, DNA probes 3019
ultrastructure, pheromone glands 3005
Lutzomyia migonei
development, abnormalities 5648
dwellings, Brazil 3010
Lutzomyia nuneztovari anglesi,
Leishmania braziliensis, Bolivia 5194
Lutzomyia quasitownsendi, taxonomy,
chemotaxonomy 3003
Lutzomyia sauroidea, taxonomy, chemotax-
onomy 3003
Lutzomyia serrana
Ascoegregarina chagasi, infection 1430
taxonomy, chemotaxonomy 3003
Lutzomyia shannoni
Leishmania, Bolivia 3009
vesicular stomatitis virus
USA 5190
vector competence 5191
Lutzomyia spinicrassa
force feeding 3628
taxonomy, chemotaxonomy 3003
Lutzomyia townsendi, taxonomy,
chemotaxonomy 3003
Lutzomyia trapidoi, genetics, karyotypes 1018
Lutzomyia trinidadensis, distribution,
Surinam 72
Lutzomyia umbratilis
distribution, Surinam 72
Leishmania guyanensis, Brazil 3000
Lutzomyia valderramai, taxonomy, new
species 5644
Lutzomyia verrucarum, *Bartonella bacil-
liformis*, Peru 4427
Lutzomyia walkeri, genetics, karyotypes 1018
Lutzomyia whitmani
Leishmania braziliensis, Brazil 557,
5192
Leishmania shawi 3284
Lutzomyia youngi
Leishmania amazonensis, infection 4675
taxonomy, chemotaxonomy 3003
Lutzomyia yucumensis
forests, Bolivia 3008
Leishmania, Bolivia 3009
Leishmania braziliensis, Bolivia 5194
Luxemburg, fauna, identification 2116
Lychas alexandrinus, genetics, cytogenetics 3864
Lychas marmoreus, genetics, cytogenetics 3864
Lychas variatus, genetics, cytogenetics 3864
Lycosa
man, envenomation, treatment 1612
toxins, reviews 5342
Lycosa ammophila, predators, predation 2026
Lycosa godeffroyi, man, bites, Australia 3219
Lyme disease (see also *Borrelia burgdorferi*)
Lymnaea, predators 3712
Lynx, ectoparasites, Poland 1353
Lyperosia exigua (see *Haematobia irritans exigua*)
Lyperosia irritans (see *Haematobia irritans*)
Lyperosia titillans (see *Haematobia thirouxii titillans*)
Lyttomeloe sauleyi, taxonomy, redescr-
ption 1504
Macaca mulatta, *Rhyncoptes grabberi*,
USA 2020
Machadomyia, taxonomy, new subgenus 5689
Macquarie Island, Nugget virus 2598

Macrobathrum rosenbergi,
methamidophos, toxicity 419
Macrocheles, *Stigmatopon hispidus*, USA 41
Macrocheles decoroloratus, *Arvicola ter-*
restris, nests, Switzerland 4321
Macrocheles glaber
animal manures, Iraq 4818
birds, Poland 1995
Macrocheles merdarius, animal manures,
Iraq 4818
Macrocheles muscaedomesticae
animal manures, Iraq 4818
cattle dung, China 5718
mathematical models, population
dynamics 5223
pesticides, nontarget effects 4704
poultry droppings, USA 5223
prey
 Musca domestica, predation 5223
 Stomoxys calcitrans 1456
reproduction, sperm competition 306
Macrocheles nataliae, *Necrophorus*
quadripunctatus, phoresy 5853
Macrocheles scarabae
hosts, *Catharsius pithecius*, India 4822
taxonomy, new species 4822
Macrocheles tardus, *Crocidura leucodon*,
Poland 1993
Macrochelidae
cattle dung, USA 2521
hosts, Formicidae, parasitism 3138
Macrocytic lactones, control, *Psoroptes*
ovis 2546
Macronyssidae, Desmodontinae, America
3235
Macronyssus crosbyi, Chiroptera, USA
5516
Macronyssus ellipticus, Vespertilionidae,
Poland 678
Macronyssus flaus, Chiroptera, German
Democratic Republic. 304
Macronyssus longimanus
Miniopertus schreibersi, Spain 4316
taxonomy, protonymphs 4316
Macronyssus longisetosus, *Plecotus mexi-*
cianus, Mexico 5323
Macronyssus tinae, taxonomy, nomencla-
ture 4316
Macronyssus unidens, *Plecotus mexicanus*,
Mexico 5323
Macropelepiopsis notata, entomopathogens
3944
Macropeza, taxonomy 554
Macropsyllidae, taxonomy, morphotaxo-
nomy 2206
Macrourus bengalax, *Sphyrion lumpi*,
Atlantic Ocean 1619
Macrourus carinatus, parasites, Atlantic
Ocean 4860
Madagascar
Aedes 2258
Anopheles arabiensis 5626
Boophilus microplus 1548
Geckobia 2003
malaria, epidemiology 2642
medical entomology, reports 5450
Rift Valley fever virus 3894
Ropalidia 3772
Ropalidia formosa 1512
Maggot therapy, man, Calliphoridae 580
Magnetic field, effects, *Drosophila melano-*
gaster, development 2416
Main Drain virus
mammals, USA 349
Odocoileus hemionus, USA 3889
vectors, *Culicoides*, USA 5180
Malacopsyllidae, taxonomy, morphotaxo-
nomy 2206
Malacosoma americanum, protein quality
3498
Malaria (see also *Plasmodium* spp.)
Malaria oil, control, Culicidae, economics
3331
Malathion (diethyl [(dimethoxyphosphino-
thioyl)thio]butanedioate)
bioconcentration, *Gnathopogon*
caerulescens 5005
control
 Aedes 509
 Aedes aegypti 4616
 Aedes albopictus 5544

control cont.
Anopheles 935, 2294, 4170
 arthropods 2079
Culex 971
 Culicidae 117-118, 2252, 3242
Dermacentor variabilis 5300
 ectoparasites 5860
Hyalomma anatolicum 5803-5804
 Mallophaga 4143
Pediculus capitis 42, 1330, 2906,
 5491
Pthirus pubis 1333
Sarcoptes scabiei 3852
 effects
Barbus stigma, digestive system
 4033
Blattella germanica, reproduction
 2876
Chlamydomonas reinhardtii,
 growth 3363
 fowls 836
 exposure, man, USA 1274
 impurities, effects, rats 1269
 inhibition, *Musca domestica*, enzymes
 3356
 membranes, lipids 830
 metabolism
Alectoris rufa 5972
Musca domestica 1060
 rats 4023
 metabolites, characterization, analytical
 methods 2114
 mutagenicity, man 831, 844
 pesticide mixtures, control, *Culex* 953
 poisoning
 man
 forensic entomology 1719
 symptoms 2101
 USA 849, 1690
 resistance
Anopheles
 Nepal 136
 Sri Lanka 2945
Anopheles culicifacies, resistance
 mechanisms 1828
Blattella germanica 4137
Culex, assays 4176
Culex nigripalpus, USA 2295
Culex pipiens 4190
 Japan 5152
Culex quinquefasciatus 2973
 resistance mechanisms 2976,
 5593
Culex tarsalis, USA 119
Culex tritaeniorhynchus, Ryukyu
 Archipelago 5155
 Culicidae, Sri Lanka 1379
Drosophila melanogaster 5772
 genetics 1658
 freshwater fishes, resistance mecha-
 nisms 4048
Xenopsylla cheopis, India 2205
 susceptibility
Aedes albopictus 84, 2268, 5537
 USA 2263
Anopheles 5167
Anopheles gambiae 5623
 Culicidae 5546
 Comoros 5632
 toxicity
Aedes albopictus 96
Blattella germanica 4558
 carp, reproduction 2764
Channa punctatus 1262
Ctenocephalides felis 1343, 3548
Culex quinquefasciatus, sublethal
 effects 2261
 fishes 5427
 Gambusia affinis 1678
 Paramecium caudatum 2762
 rabbits 5491
 ultralow volume application, droplet
 studies 5947
 with, pyrethroids, formulations, stabil-
 ity, carriers 4005
 alawi
Megaselia scalaris 4741
Ornithodoros moubata 647
Plasmodium, man 517

Malaya

Australasia, catalogues 4098
distribution, India 541-542

Malayoglyphus carmelitus, ecology 3401

Malayoglyphus intermedius, ecology 3401

Malaysia

Aedes 4157

Aedes albopictus 5537

Aedes axitiosus 5581

Anopheles 4156, 5175

Anopheles balabacensis 4186

Anopheles maculatus 5108

Boettcherisca 1899

Calliphoridae 3072

Culex javanensis 5154

Culex quinquefasciatus 4498

Culicidae 977

Dermacentor steini 1561

fowls, ectoparasites 4579

Mansonia bonnea 5575

Mansonia uniformis 2990, 3605

pesticides, economics 1272

Phumosi viridis 1071

Rhyparus 4254

Sarcophagidae 5728

Siphunculina 5764

Spinturnix tylosycterisi 4317

Maldison (see Malathion)

Mali

Anopheles 5624

Cowdria ruminantium, epidemiology 770

onchocerciasis, epidemiology 2652

Simulium sirbanum 1440

Mallophaga

birds, Costa Rica 36

control, insecticides 2717

evolution, phylogeny 1750

medical entomology, Australia 3937

predatory birds, control, insecticides 4143

preparation, scanning electron microscopy 1328

taxonomy

identification 1756

morphotaxonomy 1751-1752

Malta, Diplopoda 4374

Mammals

Culicidae, Brazil 74

ectoparasites, Poland 1314, 1524

Man

Acari

ectoparasitoses 3497

respiratory diseases 3785

Aedes, repellents, efficacy 1238, 2262

Aedes aegypti, blood-meals, digestion 1368

Aedes albopictus, immune response 5121

Aedes cantans, UK 550

Aedes dorsalis, repellents 2277, 2279

Aedes durbanensis, South Africa 505

Aedes sierrensis, feeding behaviour, inhibition 1819

Aedes taeniorhynchus

hypersensitivity 5612

USA 968, 970

aldicarb, poisoning 428

allergens, respiratory diseases 3302

allergies, pesticides 5966

Alphitobius diaperinus, allergies 253

Amblyomma triguttatum, bites 5846

Anopheles

Benin 5630

Brazil 151

Burkina Faso 5619

China 1416, 4192

Colombia 3580

feeding behaviour, models 987

Gambia 2972

India 544, 546

Kenya 2957, 5125, 5631

Nepal 136

Papua New Guinea 1811, 2230

Thailand 5150

Anopheles balabacensis, Malaysia 4186

Anopheles culicifacies, sibling species, India 76

Anopheles darlingi

Brazil 1421, 5602

Surinam 989, 2275

Man cont.

Anopheles dirus, Thailand 4662

Anopheles gambiae, Gambia 982, 1382

Anopheles punctulatus, Papua New Guinea 1004

Anopheles sacharovi, blood-meals, fecundity 1805

Anopheles sinensis, blood groups, host selection 1414

Anoplura, Cameroon 5493

antihistaminics, eyes, keratitis 3376

Aphididae, respiratory diseases 925

Apidae

hypersensitivity 3120

therapy 3119

Apis mellifera

envenomation, books 2119

hypersensitivity 4272, 4275, 4475

treatment 264, 1111, 4271

pollen, allergies 266

stings 1939

nephrotic syndrome 3117

venoms, immune response 2447, 3308

Araneae

arachnidism 5881-5882

bites

Australia 3219

UK 3860

envenomation, treatment 1612

arboviruses

Australia 5847

Central African Republic 5906

economic importance 715

epidemiology 721, 5908

Uganda 2050

USA 713

USSR 1010

zoonoses 2579

arthropods

allergies 374, 5396

envenomation 784, 1174

fibroma 785-786

food, health hazards 3340

Gambia 991

Astigmata, acariosis 5865

Atrax, bites, treatment, antivenoms 4851

attitudes, *Glossina*, control, Congo 1047

azinphos-ethyl, poisoning, Portugal 5433

Babesia microti, German Federal Republic 2634

Badumna insignis, bites 3218

Barmah Forest virus, Australia 1630, 5902, 5911

Bartonella bacilliformis, Peru 4427

Bhanja virus, Yugoslavia 4380

Blattaria

allergies 35, 5058

hypersensitivity 2171

treatment 4134

Blattella germanica

allergies 911

hypersensitivity 4133

Boettcherisca peregrina, myiasis 1484

Borrelia

diagnosis 4906

Egypt 3254

Israel 1643

Borrelia burgdorferi 1645

blood transfusion 3914

British Isles 1193

Canada 1208-1209

Caribbean 3248

China 3807

Czechoslovakia 364

diagnosis 773, 1207, 1215, 2611,

2624, 3249, 4433, 4899-4900

ELISA 3250, 4431

enzyme immunoassay 4432, 5915

immunoblotting 3917

Europe 4902

Finland 4425

German Federal Republic 1202

histopathology 4897

immunodiagnosis, enzyme immunoassay 4429

Italy 2616

Man cont.

Borrelia burgdorferi cont.

mixed infections, USA 3274

paresis 5922

pathogenesis 4898

reviews 4891

Romania 766

South Africa 4905, 4921

Spain 365

symptoms 366, 1147, 1203, 1206, 2054, 2057, 2063, 4419-4423, 4892-4896

reviews 2622

treatment 4424, 4901

UK 661-663

USA 1552, 1641, 3255, 3809, 5929

USSR 3275-3276

Borrelia duttoni, Namibia 1644

Borrelia recurrentis, Somalia 772

Brugia malayi, Thailand 3932

Buthotus tamulus, envenomation 2037

Buthus tamulus, envenomation 704

Calliphoridae, maggot therapy 580

Camptochironomus tentans, hypersensitivity 4243

carbofuran, poisoning 2783

Central European encephalitis virus

Austria 3183

Yugoslavia 4379

Centruroides, stings, Mexico 334

chikungunya virus, Australia 4881

Chironomus, hypersensitivity 1098

Chironomus plumosus, hypersensitivity 2423

Chlamydia trachomatis

Algeria 4909-4910, 5378

Chad 4908

diagnosis 4430

Ethiopia 4911, 5925

Israel 1201, 4915

Mexico 5382

Nigeria 2628

pathogenesis 4912

social behaviour, reviews 3911

Tanzania 2055, 3916

trachoma, grading 4916

Tunisia 4913

Yugoslavia 4914

chlorpyrifos, exposure 5979

Chrysomya, myiasis 1483

Chrysops, Congo 1043, 5210

Cochliomyia hominivorax, myiasis, Libya 1082

Coxiella burnetii

pathology 3265-3266

USSR 5916

Crimean-Congo haemorrhagic fever virus, assays, isolation 763

Culex

bites 127

Burma 4163

Culex pipiens, USSR 1847

Culex tarsalis, North America 2247

Culicidae

bed nets 990, 2292

bites

immune response, detection 2329

USA 98

Brazil 74, 5603

Burkina Faso 1009

China 5559

Comoros 5634

Egypt 1398

feeding behaviour 2956

host parasite relationships 344

hypersensitivity 1005, 4166

detection, immunoblotting 4167

India 2982, 5525

Kenya 5530

mosquito nets 171

Pakistan 75

repellents 2933, 2951, 5119

screening 967

South Africa 506

Sri Lanka 1814

USA 963, 4644

Zaire 2946

Culicoides

Congo 5642

USA 1014

Man cont.

- Culicoides paraensis*, Brazil 4668
- Culiseta impatiens*, Alaska 1405
- Culiseta particeps*, USA 2341
- Cuterebra*, myiasis 4239
- DDT, residues, USA 5025
- delusory parasitoses 5464
 - man, German Federal Republic 5055
 - schizophrenia 19
 - treatment 2166, 4554
- Demodex*, skin diseases 315, 1586, 2002, 3196
- Demodex folliculorum*
 - disease models 1592
 - skin diseases 3190-3191, 5324
- dengue haemorrhagic fever, India 762
- dengue virus
 - Australia 4402
 - Cuba 3892, 3898, 4375
 - diagnosis 348
 - ELISA 3887
 - French Polynesia 3896, 5364
 - mixed infections, diagnosis 3241
 - Mozambique 5607
 - Netherlands 2587
 - Niue 3242
 - risk factors 3888
 - Thailand 509, 4885, 5358
- Dermatobia hominis*, myiasis 229, 1489, 3702, 4238
- Dermatophagoides*
 - allergies 1162, 2526, 2536, 3201, 4346, 5327, 5866
 - diagnosis 3202, 4356
 - reviews 2534
 - treatment 2533
 - Zambia 3844
- eye diseases 2537
- immune response 4333
- mucocutaneous lymph node syndrome 685
- Dermatophagoides farinae*
 - allergies 3204, 4343, 5329, 5864
 - enzyme immunoassay 4350
 - immune response 3206
- Dermatophagoides pteronyssinus*
 - allergies 322, 372, 2529, 3303, 3307, 4344, 4352-4353
 - diagnosis 3208, 5394-5395, 5397
 - treatment 320, 326, 1159, 3207, 4472
 - immune response 4332
 - skin diseases 2012
- dichlorvos, effects, acetylcholinesterase, inhibition 1684
- diethyltoluamide
 - safety 803
 - toxicity 3338
- dimethoate, effects, pemphigus (skin disease) 4510
- Diptera
 - myiasis 1356, 2424, 3067, 4732
 - sampling 5638
 - Surinam 72
- Dirofilaria immitis*, Japan 1369, 3298
- eastern equine encephalitis virus, USA 1407
- ectoparasites
 - French Guiana 4591
 - palaeozoology 5056
 - sexually transmitted diseases 3938
 - skin diseases 1332
- ectoparasitoses, Mexico 2572
- Ehrlichia canis*, USA 1213-1214, 2605
- Eristalis tenax*, myiasis 4249
- Erve virus, France 2593
- eye diseases
 - Africa 4879
 - reviews, water supply 3918
- fenitrothion, exposure, Australia 3374
- Forcipomyia whitcombei*, Oman 5640
- Francisella tularensis*
 - Italy 4437
 - Sweden 3252
- Glossina*, Liberia 4687
- Glossina fuscipes*, Uganda 567
- haematophagous insects, skin diseases 2065
- haemorrhagic fevers, pathogenesis 4385-4386

Man cont.

- honey
 - poisoning 1508
 - Turkey 1507
- house dust, allergies 1166
- house dust mites
 - allergies 4339, 4341, 5328
 - books 3401
 - clinical trials 1160
 - diagnosis 1164
- Hymenoptera
 - hypersensitivity 262, 617, 1108, 2456, 3121, 3768, 4269-4270, 4273-4274, 5931
 - diagnosis 1109
 - reviews 2455
 - treatment 618-620, 2444-2445, 2449, 3300, 4276-4277, 4473, 4942
- stings 265
 - reviews 5782
 - treatment 1511
- venoms, arthritis, therapy 1112
- Hypoderma lineatum*, myiasis 3703, 3705
- insecticides
 - exposure, USA 1274
 - mutagenicity 844
 - poisoning, USA 1690
- insects
 - allergies, reviews 3306
 - bites 3937
 - injuries, Australia 3305
- Ixodes dammini*
 - Canada 301
 - USA 659, 1980, 2474
- Ixodes holocyclus*
 - hypersensitivity, diagnosis 5284
 - paralysis 1532
 - tick paralysis, diagnosis 1142
- Ixodes ricinus*
 - bites 653
 - Finland 3155
- Ixodes woodi*, USA 3156
- Ixodidae, bites 1547, 5809
- Japanese encephalitis, Australia 3245
- Kokobera virus, Australia 5913
- Leishmania donovani*, India 4929
- Leishmania infantum*, France 1219
- Leiurus quinquestriatus*, envenomation 4367
- lindane, residues, milk 2115
- Linguatula*, pentastomiasis 3884
- Loxosceles reclusa*, envenomation, reviews 3859
- Lucilia cuprina*, hypersensitivity 1078, 3074
- malathion
 - mutagenicity 831
 - poisoning, symptoms 2101
- Megaselia scalaris*, myiasis 1921, 4741
- Musca vetustissima*, Australia 574
- Ockelbo virus, Sweden 5357
- Oeciacus hirundinis*, haematophagy 1340
- Oestrus ovis*, myiasis 1085
- Onchocerca volvulus*
 - Ecuador 4941
 - West Africa 2652
- organochlorine insecticides
 - exposure, Venezuela 4058
 - residues
 - Costa Rica 5441
 - USA 4067
- organophosphate insecticides
 - poisoning 1276
 - symptoms 2788
- organophosphate pesticides
 - poisoning 840
 - Ivory Coast 1689
 - treatment 2102
 - USA 849
 - Zimbabwe 3378
- organophosphorus insecticides, poisoning 427, 432
- organophosphorus pesticides
 - effects
 - blood chemistry 5976
 - skin diseases 5977
- Ornithonyssus bacoti*, skin diseases 1580

Man cont.

- oxydemeton-methyl, teratogenesis 1277
- Paederus*, skin diseases 2434
- Palyam serogroup viruses, South Africa 1184
- Parasarcophaga crassipalpis*, myiasis 2395, 3682
- Parasitus consanguineus*, skin diseases 2515
- parathion
 - effects, DNA amplification 5978
 - poisoning, Sierra Leone 5432
- Pediculus capitis*
 - ectoparasitoses, diagnosis 923
 - hair, attachment 5492
 - Israel, archaeology 1334
 - Pakistan 1336
 - skin diseases 37-38, 40, 42, 1330, 2189, 2904-2906, 5486, 5490-5491
 - Spain 5489
- Pediculus humanus*, Ethiopia 5487
- Periplaneta americana*, hypersensitivity 4130
- pesticide residues
 - health hazards, assessment, methodology 1687
 - human milk 1691
 - Israel 1275
- pesticides
 - exposure
 - assessment 3389
 - Cuba 3381
 - legislation 3390
 - USA 5015
 - poisoning
 - Australia 3380
 - Ecuador 3382
 - Italy 2100
 - Philippines 848
 - USSR 1688
 - teratogenesis, USA 429
 - toxicity, skin 3368
- Phlebotominae, India 559
- Phlebotomus*, Egypt 3002
- Phlebotomus argentipes*
 - India 3025
 - Sri Lanka 2357
- Phlebotomus langeroni*, reproduction 5646
- phobias, arthropods 5465
- Phormia regina*, myiasis 1479
- phosphine, exposure, India 3373
- pyrimiphos-methyl, exposure, China 3377
- Plasmodium*
 - attitudes, India 3579
 - China 1415
 - Malawi 517
 - reviews 1220
- pregnancy, travel medicine 2573
- Psilocnetha almae*, USSR 1859
- Pthirus pubis*
 - eye diseases 1333
 - Poland 1760
 - skin diseases 39, 489, 1329
- Rhipicephalus sanguineus*, USA 3167
- Rickettsia*
 - Canada 1216
 - Egypt 3912
 - Ethiopia 5924
 - history 3915
 - Israel 3251
 - Japan 5375
 - pathology 3264
 - symptoms 4442
- Rickettsia conorii*
 - Australia 2058
 - diagnosis, ELISA 2061
 - Italy 2615, 4415, 4417, 4436, 4439-4441
 - Japan 1642
 - pathology 3263
 - South Africa 361, 4443, 5930
 - Switzerland 5927
 - symptoms 2612
- Rickettsia rickettsii*
 - diagnosis 2596, 4918
 - pathology 3260
 - symptoms 1211
- Rickettsia sibirica*, USSR 300

Man cont.

- Rickettsia tsutsugamushi*
antigen antibody reactions 367
Japan 312
pathology 3262
- Rickettsia typhi*
Italy 2613, 4444
pathology 3261
- Rickettsiaceae, diagnosis 3273
- Rickettsiales, France 2617
- Rift Valley fever virus, Mauritania 1631
- Rocio virus, Brazil 351
- Ross River virus, New Caledonia 3240
- Sarcoptes scabiei*
acquired immune deficiency syndrome 328
Caribbean 5872
Ghana 4358
skin diseases 327, 329-330, 332-333, 1599-1602, 2010, 2014, 2115, 2538, 2540-2542, 3209, 4837, 5870-5871
India 4361
- Scolopendra*, bites 1624
- Scolopendra heros*, hypersensitivity 708
- Semliki Forest virus, Central African Republic 3561
- Simuliidae
hypersensitivity 2364
USA 2359
- Simulium posticatum*, hypersensitivity 1031
- Simulium rubrithorax*, insects as food 4201
- Solenopsis*, stings 4771
- Solenopsis invicta*
hypersensitivity 4283
stings 3780
treatment 375
venoms, hypersensitivity 273
- Stenotarsonemus pashini*, allergies 1998
- storage mites, allergies 321, 1158, 2531, 4342, 4832
- Tachinidae, myiasis 592
- Theraphosidae, bites 1175
- tickborne diseases 1148
treatment 5286
USA 3172-3173, 5377
- tickborne encephalitis virus
Czechoslovakia 357
German Federal Republic 1191
USSR 353, 712, 2051, 2581-2582, 2586
- Treponema pertenue*, Solomon Islands 3913
- Trichoptera, allergies 4782
- Trypanosoma rhodesiense*, diagnosis 3297
- Tunga penetrans*
skin diseases 69, 928, 1345, 5518
USA 503
- Vespa crabro*, hypersensitivity 4279
- Vespa orientalis*, envenomation 1941
- Vespidae
hypersensitivity
diagnosis 2454
treatment 2658
- Vespula*, hypersensitivity, treatment 271, 1942
- viral diseases, travel medicine 4883
- West Nile virus
Israel 1635
Nigeria 5372
Pakistan 4383
symptoms 3244
- Wuchereria bancrofti*, India 2653
- Xenorhabdus luminescens*, infections 2696
- yellow fever virus
Brazil 5910
Nigeria 761, 1409
travel medicine 3893
- Yersinia pestis*
China 4903
Europe, history 4116
UK 1291
USA 930, 1204-1205, 1212
zoonoses, Europe 1181
- Mangifera indica*, biochemistry, characterization 408
- Mangrove forests**, *Aedes taeniorhynchus*, models, ecology 5461
- Mangrove swamps**
Culicidae, USA 2787
Culicoides, Australia 2349
- Mansonella colombiensis*, vectors, Diptera, infection 3931
- Mansonella mariae*, vectors, Diptera, infection 3931
- Mansonia**
Australasia, catalogues 4098
behaviour, larvae, locomotion 2257
Brugia malayi, India 5166
Bunyavirus, transmission 728
control
biological control 3578
environmental management 4158
distribution, India 541-542
Japanese encephalitis virus, control, India 5361
man, bites, USA 98
rice fields, reviews 4601
- Mansonia africana*
ecology, biting rates 5530
hosts, Kenya 5530
man, South Africa 506
rice fields, Burkina Faso 1009
- Mansonia annulifera*
aquatic plants, India 5110
behaviour, larvae, attachment, substrates 5110
development projects, Sri Lanka 1814-1815
distribution, India 541
hosts, India 5525
- Mansonia bonneae*, control, microbial pesticides 5575
- Mansonia bonnewepsterae*, taxonomy, nomenclature 4098
- Mansonia dyari*
behaviour, oviposition 3596
ecology, parous rates 4630
entomopathogenic bacteria, toxins, toxicity 5549
man, USA 963
morphology
abdomen, spines 2947
eggs 1820
Pistia stratiotes
oviposition 2947
USA 3596
reproduction, fecundity 4630
- Mansonia indiana*
development projects, Sri Lanka 1815
distribution, India 541
hosts, India 5525
- Mansonia richiardi* (see *Coquillettidia richiardi*)
- Mansonia septempunctata*, taxonomy, synonyms 4098
- Mansonia titillans*
behaviour, oviposition 3596
distribution, Surinam 72
entomopathogenic bacteria, toxins, toxicity 5549
lakes, USA 1391
man, USA 963
morphology
abdomen, spines 2947
eggs 1820
Pistia stratiotes
oviposition 2947
USA 3596
- Mansonia uniformis*
Alphavirus, China 529
Brugia malayi, susceptibility 2990
control, Guam 507
development projects, Sri Lanka 1815
Dirofilaria, Thailand 3932
distribution, India 541
ecology, biting rates 5530
hosts
India 5525
Kenya 5530
man
India 2982
South Africa 506
monitoring, traps 3605
morphology, respiratory system 1375
- Mansonia uniformis* cont.
rice fields, Burkina Faso 1009
- Mantidae**
behaviour, feeding behaviour 2148
prey, Triatominae 48
- Mantodea**, medical entomology, Australia 3937
- Manuela*, man, skin diseases 3305
- Maorigoeldia*, Australasia, catalogues 4099
- Maorigoeldia argyropus*, distribution, New Zealand 5542
- Margarinotus merdarius*, pesticides, nontarget effects 4704
- Margaropus winthemi*
cattle, South Africa 5806
ecology, seasonal abundance 5806
- Margathea*, taxonomy, revision 2878
- Margathea anceps*, taxonomy, redescription 2878
- Margathea aurea*, taxonomy, nomenclature 2878
- Margathea ceylanica*, taxonomy, redescription 2878
- Margathea contingens*, taxonomy, redescription 2878
- Margathea crassivenosa*, taxonomy, nomenclature 2878
- Margathea longecalata*, taxonomy, redescription 2878
- Margathea longicercata*, taxonomy, nomenclature 2878
- Margathea nimbata*, taxonomy, redescription 2878
- Margathea paraceylanica*, taxonomy, new species 2878
- Margathea parvula*, taxonomy, nomenclature 2878
- Margathea perspicillaris*, taxonomy, redescription 2878
- Margathea setifera*, taxonomy, nomenclature 2878
- Marine fishes**, Crustacea, reviews 1617
- Marituba virus*, *Aedes albopictus*, cell lines, infection 1629
- Marmosa agilis*, Trombiculidae, Brazil 3193
- Marmosa noctivaga*, *Cummingsia izori*, Peru 1324
- Marmota*, *Yersinia pestis*, China 4903
- Marmota himalayana*, Siphonaptera, China 2210-2211
- Marmota monax*, Ixodidae, USA 1573, 1981
- Marshall Islands**, dengue virus, epidemiology 5370
- Marshes**
aquatic insects, Canada 10, 14
aquatic invertebrates, ecology 13
Chironomidae, Canada 231
Coleoptera, Canada 246
Diptera, Canada 73
Hemiptera, Canada 55
water mites, Canada 310
- Martianus dermestoides* (see *Palembus dermestoides*)
- Mastoparan**
effects
leukocytes 5788
membranes 5273
stimulation, glycolysis 1515
- Matacil** (see *Aminocarb*)
- Mauritania**, Rift Valley fever virus, epidemiology 1631
- Mauritiella*, taxonomy, new genus 2396
- Mauritius*, *Anopheles arabiensis* 1837
- Maxomys hellwaldii*, *Hoplopleura sembeli*, Indonesia 4582
- Maxomys musschenbroekii*
Hoplopleura musseri, Indonesia 4582
Trombiculidae, Indonesia 4325
- Mayaro virus**
Aedes albopictus
cell lines
infection 4407
infections 2592
epidemiology, reviews 741
- Mayotte**
Anopheles 5605
malaria, control 2989
- Meadows**, Culicidae, Guinea 2324

Meat

- cyromazine, residues, curing 4076
- pesticide residues, Spain 1282
- Tyrophagus*, Faroe Islands 2008

Medical entomology, developing countries, labour 3974

Mediterranean Sea, *Lepeophtheirus* 3874*Megabothris turbidus*

- rodents, USSR 4290
- small mammals, Czechoslovakia 66, 68

Megabothris walkeri, small mammals, Poland 4150*Megamblyopinus*, evolution, phylogeny 1503*Megascolia flavifrons*, toxins, biochemistry, synergism 1935*Megaselia*

- ecology, phenology 5769
- taxonomy, keys, UK 3422

Megaselia abdita

- carriion, USA 238
- poultry housing, UK 238
- taxonomy, males 238

Megaselia scalaris

- man, myiasis 1921, 4741
- pupae, sexual dimorphism 3720
- taxonomy, larvae 3063
- tree holes, USA 5260

Megninia cubitalis, fowls, Malaysia 4579*Megninia ginglymura*, fowls, Brazil 5878*Megophyra simpliceps*, distribution, China 5691*Melamine*, analytical methods, liquid chromatography 4514*Melanomya nana*, distribution, Japan 2397*Melanomya petiolata*, taxonomy, new species 2397*Meles meles*, animal burrows, arthropods, Europe 467*Melia volkensii*, plant extracts, *Anopheles arabiensis* 937*Melipona*, carrion, Peru 3767*Melittin*

- calmodulin, aluminium 886
- effects

- membranes 5273
- reviews 4268

hybrid peptides, antimalarials 3122

methanol, nuclear magnetic resonance spectroscopy 4760

mode of action 490

solvents, nuclear magnetic resonance spectroscopy 4761

troponin C 887

Mellitin, purification, chromatography 2448*Melomys levipes*, Trombiculidae, Papua New Guinea 4817*Melophagus ovinus*

- archaeology, Greenland 5056
- control, insecticides 2425, 4252
- Cowdria ruminantium*, Mali 770
- sheep

- control, insecticides 3533
- ectoparasitoses 2425, 3722
- Poland 2417, 4252

Melospiza georgiana, *Ixodes dammini*, USA 2478*Menacanthus alaudae*, *Alauda arvensis*, Italy 3531,*Menacanthus dennisi*

- Strepera versicolor*, Australia 2898
- taxonomy, new species 2898

Menacanthus stramineus

- cytology, oocytes 5481
- fowls

egg production 921

Nigeria 2185

insecticides, toxicity 1757

Menidia beryllina, control, Culicidae 113, 156*Menopon gallinae*

fowls

Malaysia 4579

Nigeria 2185

insecticides, toxicity 1757

Menopon pallens, *Phasianus colchicus*, Poland 1327*Mephitis mephitis*, Ixodidae, USA 1573, 1981

Mercury

- insects, carrion 3743
- toxicity, aquatic invertebrates 4993

Meriones libycus, *Leishmania major*, Tunisia 1854*Meriones rex*, *Rhipicephalus turanicus*, Saudi Arabia 5807*Meriones shawi*, *Leishmania major*, Tunisia 1854*Meriones unguiculatus*, *Ixodes ricinus*, feeding 5288*Meristaspis*, taxonomy, legs, chaetotaxy 4315

Mermithidae

hosts

- Coquillettia perturbans*, parasitism 2302

Culicidae 973

insects, Poland 3330

Paruroctonus utahensis 2030

Simuliidae, infection 5658

Mesobuthus gibbosus, ecology, environmental factors 4368*Mesobuthus tamulus* (see *Buthotus tamulus*)*Mesocyclops*, *Amblyospora dyxenoides*, pathogenicity 3594*Mesocyclops aspericornis*

- Dracunculus medinensis*, control, water filters 707

- prey, *Anopheles albimanus*, predation 2960

Mesocyclops leuckarti

- insectivorous fishes, predation 2567
- plant extracts, toxicity 4873

Mesocyclops longisetus, prey, *Anopheles albimanus*, predation 2960*Mesocyclops venezolanus*, prey, *Anopheles albimanus*, predation 2960*Mesomermis macroforameni*

- hosts, Simuliidae 2710
- taxonomy, new species 2710

Mesomermis robusta

- hosts, Simuliidae 2710
- taxonomy, new species 2710

Mesonyssus melloi

- pigeons, Canary Islands 5854
- taxonomy, females 5854

Mesopsylla sagitta

- Dipus sagitta*, China 5513
- taxonomy, new species 5513

*Mesostigmata**Apodemus*, Poland 1997

mammals, Poland 1524

Muridae, India 665

rodents, Czechoslovakia 305

small mammals

- Czechoslovakia 286, 307
- site classification 285

Mesostoma, rice fields, USA 18*Mesostoma lingua*, rice fields, predator prey relations 931*Mesovelia mulsanti*, prey, *Culex tarsalis* 2963*Mesoveliidae*

marshes, Canada 55

- taxonomy, keys, British Isles 56

Metaborborus calcaratus, mites 4313*Metacanthohelea*, taxonomy, new genus 5983*Metacanthohelea cogani*, taxonomy, new species 5983*Metacnephia borealis*, gynandromorphy 5202*Metacnephia parapallipes*, taxonomy, nomenclature 2363*Metacnephia ramificata*

rivers, USSR 2363

taxonomy, females 2363

Metals, toxicity, *Daphnia magna* 2568*Metapeniculus antofagastensis*, morphology, proboscis 4862*Metarhizium anisopliae*

biochemistry

destruxins 4952

enzymes 1236

proteinases 3963

biotechnology, benomyl, resistance 5943

conidia, germination 4960

culture techniques 1235

Metarhizium anisopliae cont.

destruxin A 1653

destruxins

liquid chromatography 395

toxicity, insects 794

development, appressoria 3964

fungal insecticides, pest control 4958

hosts

Culex quinquefasciatus, pathogenesis 3587*Glossina morsitans*, pathogenicity 5219

insects

infection 4488

pathogenicity 2071

Rhodnius prolixus, pathogenicity 5500*Metarhizium flavoviride*, culture techniques 795*Metepa* (1,1',1''-phosphinylidynetris[2-methylaziridine])effects, *Culex quinquefasciatus*, reproduction 3565*Methamidophos* (O,S-dimethyl

phosphoramidothioate)

poisoning, man 427

toxicity, Penaeidae 419

Methiocarb (3,5-dimethyl-4-(methylthio) phenyl methylcarbamate)

effects, cholinesterases 426

Methomyl (methyl N-[(methylamino)carbonyl]oxy]ethanimidothioate)baits, *Musca domestica*, application methods 1886control, *Musca domestica* 1471, 2380

degradation, water 2804

resistance, *Musca domestica*, resistance mechanisms 1888

teratogenesis, man 1277

toxicity, *Musca domestica* 1472*Methoprene* ((2E,4E)-1-methylethyl 11-methoxy-3,7,11-trimethyl-2,4-dodecadienoate)

chemistry, structure activity relationships 410

control

Aedes taeniorhynchus 4632*Aedes vexans* 5599

Culicidae 961, 2267, 2306, 5555

effects

Aedes aegypti

fat body, DNA 4615

reproduction 1834

vitellogenesis 1798

Amblyomma americanum, salivary glands 1961*Blaberus discoidalis*, reproduction 2176*Chironomus riparius*, polytene chromosomes, puffing 4240*Musca domestica*, vitellogenesis 3650*Phormia regina*, reproduction 1908*Spalangia cameroni*, sex ratio 4267

efficacy, Culicidae 5568

toxicity

Apocyclops spartinus 1273*Culex quinquefasciatus*, sublethal effects 2261

domestic animals 2769

Methoxychlor (1,1'-(2,2,2-trichloroethylidene)bis[4-methoxybenzene])

degradation, water 2804

effects, streams, invertebrates 5043

Musca domestica, cross resistance 1463

nontarget effects

aquatic insects 1032, 5434

aquatic organisms 3379

toxicology, safety 2766

Methyl bromide

control, insect pests 2170

effects, mice, haemoglobin 1266

residues, foods, analytical methods 2791

Methyl-parathion (see Parathion-methyl)*Methyl 12,12,12-trifluorofarnesoate*, effects, *Blattella germanica*, juvenile hormones, synthesis 4570*Methyl 1-[N-(α,α,α -trifluoro-*p*-tolyl) carbamoyl]-3-(4-chlorophenyl)-4-*

- Methyl 1-[N-(α,α,α -trifluoro-*p*-tolyl) carbamoyl]-3-(4-chlorophenyl)-4-methyl-2-pyrazolin-4-ylcarboxylate**, mode of action, insects *cont.*
methyl-2-pyrazolin-4-ylcarboxylate, mode of action, insects 4987
- Methylcarbamate insecticides**
 derivatives
 chemistry, synthesis 2738
 toxicity, insects 2738
- 4-Methylcyclohexanol**, oviposition attractants, *Toxorhynchites* 988
- 3,4-Methylenedioxyphenyl-N-methylcarbamate**, sulfenyl dicarbamate derivatives, toxicity, *Musca domestica*, mode of action 1670
- 3,4-Methylenedioxyphenyl N,N'-thio-bis-N-methylcarbamates**
 chemistry, synthesis 5418
 toxicity, *Musca domestica* 5418
- 2(E)-(4-Methyl-3-pentenyl)-butenedial**, *Tyrophagus perniciosus* 5331
- 4-Methylphenol**, attractants, *Glossina palidipes* 569
- (2E,4E)-N-(2-Methylpropyl)-6-phenylhexa-2,4-dienamide**
 analogues, toxicity, insects 2746-2747
 chemistry, synthesis 2745
 toxicity, insects 2745
- N-(2-Methylpropyl)-6-phenylhexa-2,4-dienamide**
 analogues, toxicity, insects 821
 derivatives, insects, structure activity relationships 2082-2083
- Metleucauge yunohamensis**, behaviour, predation 2027
- Metleucauge kompirensis**, behaviour, predation 2027
- Metopina**, ecology, phenology 5769
- Metoxadiazole** (5-methoxy-3-(2-methoxyphenyl)-1,3,4-oxadiazol-2(3H)-one)
 resistance, *Blattella germanica*, resistance mechanisms 3528
- Metribuzin**, toxicity, *Chironomus riparius* 3090
- Metriocnemus edwardsi**, *Darlingtonia californica*, USA 3488
- Metriocnemus knabi**, marshes, Canada 231
- Mevinphos** (methyl 3-[(dimethoxyphosphinyl)oxy]-2-butenate)
 teratogenesis, man 1277
- Mexacarbate** (4-(dimethylamino)-3,5-dimethylphenyl methylcarbamate)
 formulations, aerial spraying, droplet studies 2077
 toxicity, *Salmo salar* 423
- Mexico**
Anopheles albimanus 944
Anopheles parapunctipennis 4181
Anopheles pseudopunctipennis 5986
 Anophelinae, taxonomy, keys 4617
 Araneae 699
 Blattaria 5073
 bluetongue virus, epidemiology 2577
 carrion, insects 1924
Centruroides 334
Cochliomyia hominivorax 3065, 3073, 3670, 3692, 4721, 4728
Culex 3583, 4180
Culex quinquefasciatus 5609
 Culicidae 2257, 5543
Diplocentrus 2033
Geomydoecus 1326, 2900-2901
Lotophila 5258
 man, ectoparasitoses 2572
 pesticide residues 5980
Pleocotus mexicanus, ectoparasites 5323
 Sarcophagidae 5738
Simulium metallicum 3633, 5203, 5664
Strigiphilus 4577
Toxorhynchites theobaldi 962
 trachoma, epidemiology 5382
Triatoma barberi 1763
Triatoma mazzotti 4584
Trypanosoma cruzi, epidemiology 2194
Typhlochactas mitchelli 2035
 vesicular stomatitis virus, epidemiology 5208
- Mice**
 Acari
 ectoparasitoses 1154-1155
 Turkey 677
Dermatophagoides, allergens, immune response 4347
 ectoparasites 2907
 skin diseases 3833
Ixodes, host preferences 4801
Ixodes ricinus, feeding 5288
 Ixodidae, resistance 1527
Lagenidium giganteum, toxicity 4953
Myocoptes musculus 3858
 parasites, immune response 3311
Porocephalus crotali
 host parasite relationships 343
 immune response 4878
Tarsonemoides noxius, skin diseases 1587
Microstaur ruficollis, *Colpocephalum holzenthali*, Peru 2899
Micrathene whitneyi, *Strigiphilus otus*, North America 4577
- Microbial pesticides**
 pathogenicity, nontarget organisms, bioassays 2663
 pest control
 reviews 2661-2662
 safety 2660
 reviews 3313
Microchironomus ishii, lakes, Japan 1089
Micromys minutus, *Ixodes ricinus*, feeding 5288
Micropteropus pusillus, Rift Valley fever virus, Guinea 5907
Microspectra atrofasciata, *Salmo trutta*, predation 3489
Microspectra lindrothi, *Salmo trutta*, predation 3489
- Microspora**, microbial pesticides, biotechnology 2707
- Microtendipes**, mites 1494
- Microtomus**, prey, Triatominae 48
- Microtriatoma trinidadensis**, Palmae, Brazil 3541
- Microtus**, *Borrelia burgdorferi*, Canada 1210
- Microtus agrestis**
Ixodes, USSR 1984
Ixodes ricinus, feeding 5288
Megabothris walkeri, Poland 4150
 Siphonaptera, Spain 5519
- Microtus arvalis**
Anystis baccarum, Poland 673
 ectoparasites, Poland 679
Francisella tularensis, Czechoslovakia 293
Ixodes ricinus
 Berlin 4802
 feeding 5288
 Ixodidae, Czechoslovakia 1569
 Siphonaptera, Czechoslovakia 66
 tickborne encephalitis virus, Czechoslovakia 358
 Trombiculidae, USSR 2005
- Microtus fortis**, *Leptotrombidium jishou*, China 5857
- Microtus gregalis**, *Yersinia pestis*, USSR 2620
- Microtus gud**, *Ixodes ghilarovi*, USSR 2483
- Microtus oeconomus**
Antennoseius hyperboreus, USSR 2517
Gamasolaelaps excrucis, Poland 673
Ixodes, USSR 1984
Ixodes ricinus, feeding 5288
Megabothris walkeri, Poland 4150
- Microtus pennsylvanicus**
Dermacentor variabilis, USA 1575, 5304
Ixodes dammini, USA 3817
- Microtus pinetorum**, ectoparasites, USA 284
- Microtus socialis**, *Yunkeracarascanicus*, USSR 5340
- Microvelia longipes**, behaviour, communication 5508
- Mictis profana**, man, skin diseases 3305
- Midway Islands**, *Womersia midwayensis* 3192
- Milbemycin β_1** , chemistry, synthesis 4979
- Milbemycins**, chemistry, synthesis 2743, 5414
- Military entomology**
Aedes, surveillance 2286
Amblyomma triguttatum 5846
 house dust mites, USA 5867
 insect repellents 968, 2951
Musca vitripennis, aircraft 1885
 protective clothing 75
 tickborne diseases, France 1199
 uniforms, insect repellents 1405
 USA 399-400
- Milk**
 chlordane, residues, analytical methods 4082
 chlorfenvinphos, residues, analytical methods 4513
 cypermethrin, residues 4507
 deltamethrin, residues, analytical methods 5438
 fenvalerate, residues, bacteria 3394
 insecticides
 contamination, treatment 2106
 residues, heat treatment 3395
 ivermectin, residues, pharmacokinetics 2107
 organochlorine insecticides
 residues 4075
 analytical methods 4061
 India 4083
 organochlorine pesticides, residues, analytical methods 4512
 organophosphorus pesticides, residues, analytical methods 3393
- Millardia meltada**, ectoparasites, India 665
- Miltogramma munroi**, taxonomy, nomenclature 2398
- Miltogrammidium munroi**
 distribution, Senegal 2398
 taxonomy, synonyms 2398
- Miltogrammini**, Hymenoptera, ecology, associations 3686
- Milvus milvus**, *Ceratothylus gallinae*, UK 5099
- Mimomyia**
 Australasia, catalogues 4099
 forests, Guinea 2324
 taxonomy, type specimens, South Africa 5585
- Mimomyia hispida**, man, South Africa 506
- Mimomyia hybrida**, development projects, Sri Lanka 1814
- Mimomyia luzonensis**, distribution, Nepal 1362
- Mindanaoa villipes**, taxonomy, nomenclature 5729
- Mineral oils**
 control
 Aedes albopictus 93
 Culex 2298
 Culicidae, economics 540
- Minilimosina caelator**, taxonomy, new species 5757
- Minilimosina hispida**, taxonomy, new species 5757
- Miniopterus oxygnathus**, Nycteribiidae, USSR 5765
- Miniopterus schreibersi**
Macronyssus longimanus, Spain 4316
 Nycteribiidae, USSR 5765
- Mink**
 ectoparasites
 control, pesticides 2717
 Romania 1598
- Minocellina thaii**, taxonomy, new species 1919
- Mirex** (1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta[cd]pentalene)
 effects, rats, liver 425
- Misgolas andrewsi**, man, bites, Australia 3219
- Miyatrombicula muris**, birds, Poland 1995
- MMP 158 virus**, vectors, *Aedes aegypti*, Madagascar 2258
- Models**
 biological control, theory 3312
 pests, population dynamics 2161

Models cont.

- computer analysis, climate, introduced species 469
- mathematical models
 - arboviruses, epidemiology 723
 - Armigeres theobaldi*, population ecology 173
 - Culex pipiens*, insecticide resistance 1659
 - Culicidae
 - autogeny 5117
 - microfilariae, infectivity 2231
 - diapause 4535-4536
 - Dirofilaria immitis*, transmission 5164
 - entomopathogens, epidemiology 5401
 - filariasis, epidemiology 5165
 - genetic control 1245
 - Glossina pallidipes*, population ecology 4211-4212
 - hybrid sterility 1657
 - insects, population dynamics 4550
 - leishmaniasis, epidemiology 4929
 - Macrocheles muscaedomesticae*, population dynamics 5223
 - malaria
 - epidemiology 4649
 - transmission 2239
 - parasitoids, population ecology 890
 - pest control, pheromones 1239-1240
 - pesticides, efficacy 5408
 - pheromones, trapping 1241
 - Plasmodium vivax*, transmission 1850
 - predation 3481-3482
 - predator prey relationships, parasitism 2575
 - sampling, data analysis 2163
 - sterile insect release 1243
 - Triatominae, population ecology 53
 - trypanosomiasis
 - control 4462
 - epidemiology 4206, 4214, 4463-4470
 - vector-borne diseases, epidemiology 3886
 - water flow 562
 - zooprophylaxis, malaria 987
- simulation models
 - babesiosis, epidemiology 4791
 - Chrysomya bezziana*, climate 1066
 - Dermacentor variabilis* 1972
 - Rickettsia rickettsii*
 - control 5300
 - transmission 5299
 - Glossina pallidipes*, population ecology 4207
 - insect pests 16
 - integrated control 1242, 1244, 3337
 - mangrove forests, water depth 5461
 - Psorophora columbiae*
 - control 934
 - population ecology 80-81
 - Rhipicephalus appendiculatus*, distribution, climate 5313
 - trypanosomiasis, control 4446
 - ultralow volume spraying, dispersal 118
- Modoc virus**, mammals, USA 349
- Moina macrocarpa*, herbicides, toxicity 825
- Molecular biology**, insects, endosymbiosis 4544
- Molecular genetics**
 - Anopheles*, DNA 5138
 - Anopheles albimanus*, ribosomal DNA 4614
 - Buthotus judaicus*, toxins 5885
 - Calliphora vicina*, genes, amino acids, sequences 5719
 - Camptochironomus tentans*
 - genes
 - nucleotide sequences 5767
 - secretory proteins 5760
 - Chironomidae, secretions, genes 4251
 - Chironomus riparius*
 - puffing, Balbiani rings 4737
 - ribonucleoproteins, polytene chromosomes 4736
 - transposable elements 5759

Molecular genetics cont.

- Cochliomyia hominivorax*, mitochondria, DNA 3065
- Dermatophagoides pteronyssinus*, messenger RNA, translation 4329
- Diptera
 - enzymes, nucleotide sequences 2399
 - repetitive DNA 1809
 - Drosophila melanogaster*
 - accessory glands, genes 4250
 - arthropod hormones, gene expression 5455
 - metamorphosis 2145
 - entomology, reviews 2851
 - Hypoderma lineatum*, messenger RNA 3707
- insects
 - acetylcholine, receptors, peptides 2135
 - development, gene regulation 1704
 - DNA, evolution 4545
 - ribosomes, RNA, nucleotide sequences 2852
 - RNA, nucleotide sequences 2852
 - Lucilia cuprina*, genes, cloning 4724
 - Molinema dessetae*, vectors, Diptera, transmission 5163
 - Molossidae**, Spinturnicidae, Brazil 3188
 - Momoniidae**, taxonomy, keys, genera 5858
 - Mongolia**
 - Haemaphysalis* 1572
 - Ixodidae 4793
 - Phlebotomus* 181
 - Sulciniphia* 2361
 - Moniezia expansa*
 - intermediate hosts
 - Cryptostigmata, Argentina 684
 - Scheloribates*, infectivity 1157
 - Moniliformis moniliformis*
 - intermediate hosts
 - Periplaneta americana*
 - infection 475, 2895
 - infections 2168
 - Mono Lake serogroup viruses**, taxonomy, classification 4398
 - Mono Lake virus**
 - taxonomy, chemotaxonomy 2591
 - vectors
 - Argas*, USA 1565
 - Argas cooleyi*, USA 1566
 - Monocrotophos** ((E)-dimethyl 1-methyl-3-(methylamino)-3-oxo-1-propenyl phosphate)
 - effects
 - buffaloes
 - blood chemistry 5430
 - rumen flora 3367
 - Channa punctatus*, carbohydrate metabolism 5971
 - mutagenicity, man 844
 - poisoning
 - man 427
 - Philippines 848
 - toxicity, insects 2758
 - Monodelphis americana*, *Quadrasetta brasiliensis*, Brazil 3193
 - Monohela**, taxonomy 554
 - Monomarine I**, chemistry, synthesis 1518
 - Monomorium antarcticum*, venoms, biochemistry 1516
 - Monomorium latinode*, venoms, chemistry, synthesis 5792
 - Monomorium pharaonis*
 - attractants 1518
 - bacteria, Trinidad and Tobago 5791
 - behaviour, foraging 4284
 - diflubenzuron, effects 1464
 - Termitidae, defensive secretions, toxicity 3145
 - Monopsyllus*, Chiroptera, Poland 4151
 - Monopsyllus anisus* (see *Ceratophyllus anisus*)
 - Monopsyllus sciurorum*, small mammals, Czechoslovakia 68
 - Monotoma bicolor*, poultry housing, South Africa 601
 - Monotoma spinicollis*, poultry housing, South Africa 601
 - Morantel**, mode of action, *Periplaneta americana* 3355
 - Morellia**, cattle, Denmark 1358

Morellia hortorum

- cattle, Denmark 213
- control, insecticides 213
- Morellia nigricosta**, taxonomy, nomenclature 5709
- Morellia nitida**, taxonomy, nomenclature 5709
- Morellia simplex**
 - cattle
 - Denmark 213
 - Italy 5717
 - Netherlands 1052
 - control, insecticides 213, 1052
- Morganella morganii**, Silphidae, isolation 1502
- Morocco**
 - Aedes echinus* 1393
 - Dermatophagoides pteronyssinus* 4353
 - Phlebotomus papatasi* 2351
 - Rhipicephalus bursa* 1976
 - Thaumetopoea bonjeani* 3109
- Morodora armata*, hosts, *Protocalliphora* 4233
- Morphology**
 - Aedes*
 - eggs 2954
 - mouthparts 4196
 - Aedes triseriatus*, eggs 2952
 - Alphitobius diaperinus*, mouthparts 602
 - Anopheles gambiae*, eyes 2943
 - Arachnida, legs 4528
 - Argas miniatus*, scanning electron microscopy 5815
 - Argas sinensis*, eggs 5805
 - Argas transversus*, spiracles 1971
 - Arrenurus*, stylostomes 5320
 - Belostoma lautarium*, eggs, chorion 2199
 - Blattaria, sclerites 29
 - Bovicola ovis*, antennae 2187
 - Ceratopogonidae, female genitalia 554
 - Chalcidoidea, mouthparts 611
 - Chironomus riparius*, legs, sense organs 1498
 - Columbicola columbae*, preservation 1753
 - Culex theileri*, eggs 5611
 - Culicidae
 - eggs 147
 - larvae, mouthparts 2339
 - mouthparts, larvae 5116
 - Culicoides*, eggs 1017
 - Culicoides nubeculosus*, sense organs 2998
 - Cyclorrhapha, developmental stages 5982
 - Dermacentor*, sexual dimorphism 1986
 - Dermatobia hominis*, male genitalia 5251
 - Diptera
 - adults 3684
 - wings 1359, 2142
 - Dytiscidae, legs, larvae 2431
 - Gasterophilidae, larvae, mouthparts 2408
 - Gasterophilus intestinalis*, larvae, spiracles 3708
 - Geotrupes auratus*, eyes 3099
 - Haematopinus suis*, sense organs 1331
 - Hymenoptera, legs 3112
 - Hypoderma*, spiracles 1084
- insects
 - eggs 451
 - genitalia 3447
 - microscopy 5047
 - ovipositors 451
 - theory 4118
- Ixodes*, Haller's organ 1563
- Ixodes ricinus*, abnormalities 1963
- Mansonia**
 - abdomen, spines 2947
 - eggs 1820
- Mansonia uniformis*, respiratory system 1375
- Myodopsylla insignis* 1354
- Ornithonyssus bacoti* 4320
- Reduviidae, antennae, trichobothria 4146
- Rhipicephalus evertsi*, eyes 4790
- Simuliidae, eyes, host range 3027

Morphology cont.

Siphonaptera, head 64, 2206

Stomoxys calcitrans, mouthparts 217*Toxorhynchites*, eggs 1817, 2961*Trichoprosopon digitatum*, eggs 5126*Xenopsylla cheopis* 4152**Morphometrics**, Mallophaga, nymphs 487*Mortierella camargensis*, hosts, Acari 2705**Mosquito coils**

control, Culicidae 2946

formulations, efficacy 5562

Mosquito iridescent virus, hosts, *Aedes sollicitans*, USA 2309**Mosquito nets**

dwellings, Phlebotominae 1021

impregnated fabrics

economics 2972

permethrin, assays 1829

repellents, Culicidae 1827

research, reviews 2292

insect repellents 1237

man

Anopheles 2245, 2720, 4156, 5175, 5600*Anopheles darlingi* 989, 2275*Anopheles dirus* 143*Anopheles gambiae* 982, 1382*Anopheles sinensis* 4197

arthropods 991

Culicidae 171, 990, 5567

Phlebotomus perfliewi, impregnated fabrics 3013*Plasmodium* 1810

travel medicine, health advice 3283

permethrin, bioassays 989

Mothocya epimerica, marine fishes, Black Sea 2043**Moulting hormones**

biosynthesis, insects, cell lines 3470

chemistry, synthesis 1254

radioimmunoassay 2155

Mozambique*Amblyomma* 5842

dengue virus, epidemiology 5607

Glossina 1450, 5688

Ixodidae 5816

Rhipicephalus 5820

Tabanidae 5683

MTI-500 (see Ethofenprox)**Mucocutaneous lymph node syndrome**, man, *Dermatophagoides* 685**Mules** (*Equus caballus* × *E. asinus*)*Gasterophilus*, myiasis 5752**Mules' operation**, sheep, wound treatment 3695**Mumps virus**, *Aedes albopictus*, cell lines, infection 548**Muridae**, Phlebotominae, India 559**Murine typhus** (see also *Rickettsia typhi*)**Murray Valley encephalitis virus**

epidemiology, reviews 742

genes, nucleotide sequences, genetic variation 4411

vectors

Aedes aegypti, infection 2317*Aedes normanensis*, Australia 1822*Culex annulirostris*, vector competence 993, 2953**Mus musculus**

Acari, Spain 5855

Polyplax serrata, Spain 5488*Psoregates muricola*, Poland 1590

Siphonaptera

Czechoslovakia 66

Spain 5519

Trombiculidae, USSR 2005

Xenopsylla cheopis, India 2205**Mus spretus**, Acari, Spain 5855-5856**Musca**

cattle, Brazil 2379

control, insecticides 2379

Stephanofilaria, Brazil 2379**Musca autumnalis***Actinomyces pyogenes*, German Federal Republic 206

analgesics, effects, electroretinograms 4012

biochemistry, cuticle, calcium 1455

Brucella abortus, infection 3646**Musca autumnalis cont.**

cattle

Denmark 1358

German Federal Republic 206

Italy 5717

Netherlands 1052

USA 4221

control

insecticides 1052

traps 4221

development, intraspecific competition 3059

entomophilic nematodes 4714

gamma radiation, effects 218

helminths, India 4713

Heterotylenchus autumnalis, pathogenicity 3661

horses, USA 893

physiology, circadian rhythm, melatonin 572

Thelazia, Canada 4714**Musca conducens**

cattle

Italy 5717

Japan 5716

Ryukyu Archipelago 5232

control, insecticides 5232

pyrethroids, toxicity 5716

Musca crassirostris

buffaloes, India 2392

Poxviridae, mechanical transmission 2392

Musca domestica

abamectin, resistance, cross resistance 5714

aircraft, control, insecticides 3333

amide insecticides, toxicity 2082-2084

amides, toxicity 821

anatomy, muscles, eclosion 1788

animal housing 1886

German Democratic Republic 2388

Hungary 2380

New Zealand 3056

Poland 2383

Aujeszky virus

infection 3645

mechanical transmission 570

azadirachtin, toxicity 2386

Bacillus thuringiensis

pathogenicity 5222

toxins

toxicity 3316, 3322

assays 4480

Beauveria bassiana, pathogenicity 4711

behaviour

activity, photoperiod 5699

ammonia, larvae, aggregation 4695

flight, activity 3055

landing behaviour 1062

mating behaviour 3651

biochemistry

acetylcholinesterase 1056

arylphorin 5230

cuticle, calcium 1455

cytochrome P-450 4227

monooxygenases 4120

digestion, enzymes 1882

 α -ecdysone, metabolism 5695

enzymes, assays 5456

glycosidases 5221

larvae, midgut, peptidases 4708

metabolism, uric acid 4217

midgut, enzymes 1057

monophenol monooxygenase 5229

moulting, moulting hormones 577

polyamines, development 3474

proteins, vitellogenesis 4709

sex pheromones, biosynthesis 4706

uric acid, metabolism 5226

buffaloes, India 2392

carbamates, toxicity 1472

cattle

Italy 5717

South Africa 1453

cattle dung, China 5718

cattle housing

Canada 5704

USA 1473, 3055, 5224

cesspits, South Africa 4608-4609

Musca domestica cont.

control

biological control 1452, 1936, 2387-2388, 3056, 5704-5705

electrocuting traps 1889

environmental management 5224

growth regulators 2380, 2383

insecticides 1471, 2543, 3057, 4218, 4704

integrated control 4216

manure management 5225

swatting 4225

traps 4221

USA 4224

cryobiology, cold tolerance 4705

cypermethrin

effects, electrophysiology 3655

toxicity, mode of action 2385

dairies, USA 4216, 4220, 4711, 5225, 5705

DDT, analogues, toxicity 2757

diflubenzuron, effects 1464

dihydropyrazoles, mode of action 4987

ecology, environmental factors 5708

entomopathogenic protozoa 3967

Entomophthora muscae, cross infection 3656

fenitrothion, resistance 5228

fenvalerate, metabolism 5713

3-Fluoropropionic acid, derivatives, toxicity 2734

genetics

genetic bottlenecks 5712

molecular genetics 2144

habitats, Peru 5708

Habronema muscae, USSR 1053

human faeces, Pakistan 2424

insecticide resistance

resistance mechanisms 3654

cytochrome P-450 3652

insecticides

controlled release, efficacy 5417

cross resistance 1463

resistance 573

German Democratic Republic 5700

USA 4697

toxicity 820, 1462, 1671, 2738, 2759, 4989

insects, diets 1880

isobutylamides, toxicity 2745-2747

Listeria, isolation 1217

livestock, Thailand 5103

methomyl

baits, application methods 1886

resistance, resistance mechanisms 1888

methylcarbamate insecticides, toxicity 5418

methylcarbamates, toxicity, mode of action 1670

microsomes, preparation 4699

mites, India 4822

moulting hormones, effects, vitellogenesis 3650

nematicides, inhibition, enzymes 3356

Nematoda, Malaysia 3072

octopamine, binding, membranes 1058

ontogeny, pattern regulation 4226

organophosphate insecticides, metabolism 1060

oxime ethers, effects 5410

parasitoids 1457, 1505, 3761, 4220, 5269, 5694

parasitism 2443, 4757, 5783

phosphonothioate insecticides, effects, growth 5955

phosphorylated alkylchloroformoximes, effects, acetylcholinesterase 4710

physiology

flight, vision 4712

nervous system 2385

osmoregulation, larvae 3649

photoreceptors, synapses 2381

vision 3647, 3657, 4707

water relations 1458

pig housing

German Democratic Republic 2387

UK 1471

pigs, German Federal Republic 2543

poultry 216

Musca domestica *cont.*

- poultry droppings, development 1454
- poultry housing
 - Brazil 1452
 - control 2390, 3057, 3648
 - India 3759
 - manure management 1457
 - South Africa 601
 - USA 4697, 4704, 5698-5699
- Poxviridae, mechanical transmission 2392
- predators 601, 4310, 4322, 4704, 4818
 - predation 1930, 2148, 3752, 5223
- propaphos, metabolism 5951
- pyrethrins
 - esters, knockdown 5715
 - resistance 1471
 - USA 5698
- pyrethroids
 - effects 5957
 - knockdown, structure activity relationships 4013
 - resistance, resistance mechanisms 3653, 4219, 5702
 - structure activity relationships 1887
 - toxicity 2091, 2744
 - structure activity relationships 2739
 - temperature 1258
- rabbit housing, control 4223
- reproduction, mating, prevention 5711
- sex pheromones, metabolism 3651
- Termitidae, defensive secretions, toxicity 3148
- tin compounds, toxicity, mode of action 2756
- Tolypocladium cylindrosporum*, pathogenicity 1652
- ultrastructure
 - anal organs 1459
 - antennae 4527
 - photoreceptors 3053
 - ultraviolet radiation, attractancy 4222
 - vesicular stomatitis virus, USA 1357
 - villages, Egypt 4218
- Musca fasciata*, cattle, South Africa 1453
- Musca hervei*, cattle, Japan 5667
- Musca larvipara*, cattle, Italy 5717
- Musca lasiophthalma*, cattle, South Africa 1453
- Musca lusoria*, cattle, South Africa 1453
- Musca nevillei*, cattle, South Africa 1453
- Musca osiris*, cattle, Italy 5717
- Musca sorbens*
 - cattle, South Africa 1453
 - parasitoids 5694
- Musca vetustissima*
 - abamectin, effects, abnormalities 5227
 - allergens 3074
 - cattle dung, Australia 219, 1061, 3058
 - control, biological control 219, 1061
 - ecology
 - environmental factors 3058
 - size 574
 - man, Australia 574
- Musca vitripennis*
 - airports, Azores 1885
 - ecology, seasonal abundance 1885
- Musca xanthomelas*
 - cattle, South Africa 1453
 - parasitoids 5694
- Muscardinus avellanarius*
 - Gliricoptes muscardinus*, Poland 696
 - nests, arthropods, UK 501
- Muscidae**
 - animal burrows, UK 4245
 - Azadirachta indica*, botanical insecticides, effects, reviews 3354
 - cattle
 - effects, milk production 3662
 - mastitis, control 3644
 - cattle dung, China 5718
 - cattle housing, Yugoslavia 5409
 - control
 - growth regulators 2382
 - insecticides 2079, 3662, 5409
 - microbial pesticides 1469
 - distribution
 - Czechoslovakia 1884
 - Poland 1460

Muscidae *cont.*

- Herpesviridae, mechanical transmission 3905
- parasitoids, Romania 4756
- Protozoa, mechanical transmission 368
- sampling 5638
- Muscidifurax**
 - behaviour, inheritance 261
 - dairies, USA 4220
 - hosts, Muscidae 4220
 - reproduction, thelytoky 261
- Muscidifurax raptor**
 - behaviour, parasitism, genetics 3760
 - cattle housing, USA 1936
 - control, Muscidae 4216
 - ecology, seasonal abundance 1505
 - poultry housing
 - manure management 1457
 - USA 1505
 - reproduction, thelytoky 3762
- Muscidifurax raptorellus**
 - control, Muscidae 5705
 - genetics
 - behaviour, inheritance 3114
 - inheritance, behaviour, oviposition 3763
 - reproduction 3114
- Muscidifurax uniraptor**, control, Muscidae 3056
- Muscidifurax zaraptor**
 - cattle housing, USA 1936
 - control, Muscidae 3056, 5705
 - hosts, *Musca domestica* 3761
 - reproduction, nutrition 3761
- Muscina arcuata**, taxonomy, new species 5231
- Muscina assimilis** (see *M. levida*)
- Muscina levida**
 - Stomoxys calcitrans*, interspecific competition 1456
 - taxonomy, larvae 3063
- Muscina stabulans**
 - animal housing, New Zealand 3056
 - cattle dung, China 5718
 - control
 - biological control 3056
 - USA 4224
 - parasitoids 5269
 - poultry droppings, development 1454
 - Stomoxys calcitrans*, interspecific competition 1456
 - taxonomy, larvae 3063
- Muscovy ducks**, control, *Musca domestica* 5704
- Musgraveia sulciventris**, man, skin diseases 3305
- Mustela erminea**
 - Charletonia singularis*, Poland 673
 - ectoparasites, Irish Republic 922
- Mustela eversmanni**, Trombiculidae, USSR 2005
- Mustela nivalis**, Siphonaptera, Czechoslovakia 66
- Mustela putorius** (see also *Polecats*)
- Mutinus caninus**, *Phormia regina*, diets, nutrition 1911
- Myanmar**
 - Aedes aegypti* 5576
 - Siphunculina* 5764
- Mycetaea hirta**, dwellings, German Democratic Republic 2435
- Mycobacterium farcinogenes**, vectors, *Amblyomma variegatum*, Ghana 4813
- Mycoplasmataceae**, taxonomy, classification 2698
- Mycotrupes gagei**, *Ceroptera longicauda*, kleptoparasitism 3080
- Myialges macdonaldii**, host, *Ornithomya avicularia*, Norway 4738
- Myianoetus mlcoch**
 - hosts, Sphaeroceridae 4313
 - taxonomy, new species 4313
- Myianoetus rohaceki**, hosts, Sphaeroceridae 4313
- Myianoetus simunek**
 - hosts, Sphaeroceridae 4313
 - taxonomy, new species 4313
- Myianoetus virgatus**, hosts, Sphaeroceridae 4313

Myianoetus zdena, hosts, Sphaeroceridae 4313**Myiasis**

- Boettcherisca peregrina*, man 1484
- Calliphora*, aquarium fishes 4229
- Calliphoridae, dogs 579
- Cephalopina titillator*, dromedaries 584
- Cephenemyia stimulator*, *Capreolus capreolus* 5751
- Chrysomya*, man 1483
- Chrysomya bezziana*, cattle 667
- Cochliomyia hominivorax*
 - cattle 3068
 - dogs 3669
 - livestock 4728
 - man, Libya 1082
 - sheep 3670
- Cuterebra*
 - cats 1487
 - man 4239
- Dermatobia hominis*
 - buffaloes 5748
 - cattle 582, 2410
 - dogs 2405, 4591
 - man 229, 1489, 3702, 4238
- Diptera
 - horses 583, 2404
 - livestock 5732
 - man 1356, 2424, 3067, 3304, 4732
- Eristalis tenax*, man 4249
- Gasterophilus*
 - donkeys 1490
 - horses 1083, 2412, 3698, 3709, 5752
- Gasterophilus intestinalis*, horses 1488, 5749
- Hypoderma*, cattle 1913, 2407, 5255
- Hypoderma bovis*, cattle 585, 2403, 5254
- Hypoderma diana*, horses 4735
- Hypoderma lineatum*
 - cattle 586, 1914, 2406, 2414, 4733
 - man 3703, 3705
- Hypoderma tarandi*
 - reindeer 3704, 4734
 - immune response 2411
- Lucilia cuprina*
 - sheep 1063, 1475, 1480, 3069, 3665, 3671, 3685, 5744-5745
 - fleece rot 3070
- Lucilia sericata*, sheep 3696
- Megaselia scalaris*, man 1921, 4741
- Oestrus ovis*
 - Alcephalus bucephalus* 2409
 - man 1085
 - sheep 1916, 3701, 5253, 5750
- Parasarcophaga crassipalpis*, man 2395, 3682
- Phormia regina*, man 1479
- Protocalliphora*
 - birds 3691
 - Parus* 4233
- Protocalliphora braueri*, *Trogodytes aedon* 4228
- Przhevalskiana silenus*, goats 5754
- Tachinidae, man 592
- Wohlfahrtia magnifica*
 - dromedaries 3061
 - sheep 3668
- Myiabras pustulata**, ontogeny, embryogenesis 3100
- Mymaridae**, taxonomy, keys, New Zealand 3428
- Myobia agraria**, *Apodemus agrarius*, Poland 1590
- Myobia multivaga**, *Apodemus sylvaticus*, Poland 1590
- Myobia muscili**
 - control, acaricides 677, 1151, 1154-1155, 3833
- Eperythrozoon coccoides*, transmission 2907
- laboratory animals, Turkey 677
- mice
 - ectoparasitoses 1154-1155
 - skin diseases 3833
 - rats, ectoparasitoses 1151
- Myobiidae**
 - Desmodontinae, America 3235
 - Sorex*, Poland 2467

Myocoptes

- control, acaricides 1154-1155
- mice, ectoparasitoses 1154-1155
- taxonomy, keys, Poland 696

Myocoptes japonensis, Crocidura leucodon, Poland 1993**Myocoptes musculus**

- control, acaricides 677, 3833
- Eperythrozoon coccoides*, transmission 2907

laboratory animals 3858

Turkey 677

mice, skin diseases 3833

Myocoptes myocastori

- control, acaricides 5860
- nutria, Yugoslavia 5860

Myodopsylla collinsi, Plecotus mexicanus, Mexico 5323**Myodopsylla insignis**

- biology, development 1354
- Chiroptera, USA 5516
- morphology 1354

Myotis, ectoparasites, German Democratic Republic 304**Myotis brandtii**, ectoparasites, German Democratic Republic 304**Myotis keenii**, ectoparasites, USA 5516**Myotis lucifugus**

- acephate, toxicity 1673
- ectoparasites, USA 5516

Myotis myotis

- ectoparasites
- German Democratic Republic 304
- Poland 678

Myotyphylus, evolution, phylogeny 1503**Myrecolacidae**, hosts, Formicidae, parasitism 3138**Myriapoda**, dwellings, German Democratic Republic 2435**Myriophyllum aquaticum, Anopheles freeborni**, survivorship 2301**Myriophyllum spicatum, Anopheles freeborni**, survivorship 2301**Mymecia gulosa**

- biochemistry, Dufour's gland, secretions 3131

man, stings 3305

Mymecia nigriceps, biochemistry, Dufour's gland, secretions 3131**Mymecia pilosula**

- biochemistry, Dufour's gland, secretions 3131

man, stings 3305

Myrmicinae, taxonomy, larvae 3126**Myrsidea ptilonorhynchus, Ptilonorhynchus violaceus**, Australia 4573**Myrsidea quadrifasciata, Passer domesticus**, Italy 3531**Myrsidea ugandensis**

- Lanius excubitoroides*, Uganda 5483
- taxonomy, new species 5483

Mysidea picae, Mustela erminea hibernica, Irish Republic 922**Mysidopsis bahia**, temephos, toxicity 2787**Mysmenidae**, taxonomy, keys, Australia 3222**Mytilus edulis**, trichlorfon, toxicity 4015**Myxoma virus**, vectors, *Spilopsyllus cuniculi*, UK 3547**Nairobi sheep disease virus**, epidemiology, reviews 743**Naja naja**, venoms, toxicity,

Parasarcophaga ruficornis 5247

Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)

control

Aedes albopictus 93

Dermacentor variabilis 5300

Diptera 87

Haematopinus suis 1335

insecticides, *Aedes taeniorhynchus* 90

pigs, effects 1335

resistance, *Culex nigripalpus*, USA 2295

susceptibility, *Aedes albopictus*, USA 2263

Namibia

Anopheles gambiae 1387

Atelozomyia thalassae 5672

Ceratopogonidae 5641

Namibia cont.

- Leishmania*, epidemiology 2354
- tickborne relapsing fever, epidemiology 1644

Nannostomus beckfordi, Artystone minima, Brazil 4864**Nanocladius tamabicolor**, rivers, Japan 244**Nanorchestidae**, cattle dung, USA 2521**Nasonia vitripennis**

- control, Calliphoridae 3071
- ecology, seasonal abundance 1505
- hosts

Diptera, parasitism 5783

Protocalliphora 4233

poultry housing, USA 1505

Nasopharyngeal diseases, Chrysomya, man 1483**Nasutitermes ephratae**, biochemistry, defensive secretions 3145**Nasutitermes havilandi**, defensive secretions, biochemistry 4286**Nasutitermes johoricus**, defensive secretions, biochemistry 4286**Nasutitermes longinasus**, defensive secretions, biochemistry 4286**Nasutitermes matangensis**, defensive secretions, biochemistry 4286**Natamycin**, control, *Dermatophagoides pteronyssinus* 2012**Naubates harrisoni, Puffinus puffinus**, UK 4576**Naucoridae**

marshes, Canada 55

taxonomy, keys, British Isles 56

Nauphoeta cinerea

behaviour

mating, sexual selection 2874

mating behaviour 1316

biochemistry

corpora cardiaca, peptides 33

neurotransmitters 32

vitellogenesis 910

etaphos, effects, feeding behaviour 5074

juvenile hormone III, metabolism 2886-2887

Nearctic Region

Diptera, books 3418

Leeuwenhoekinae 3194

Miltogrammini 3686

zoogeography, insects 2859

Necator americanus

intermediate hosts, *Gymnopleurus*

virens, South Africa 3733

vectors, Cyclorrhapha, Malaysia 3072

Neckbands

cattle, *Haematobia irritans* 4009

formulations, controlled release 4009

Necrobia ruficollis, genetics, karyotypes 252**Necrobia rufipes**

biology, development 3745

distribution, Saudi Arabia 2432

dried fish, keys, identification 3102

genetics, karyotypes 252

monitoring, Saudi Arabia 4752

Necrophila americana, bacteria, isolation 1502**Necrophorus quadripunctatus**, mites, phoresy 5853**Necrophorus vespilloides**

attractants, pheromones 3749

reproduction, mating 249

Neem (see *Azadirachta indica*)**Neguvon** (see Trichlorfon)**Nemadactylus macropterus, Aethon morelandi**, Atlantic Ocean 3872**Nematoda**, intermediate hosts,

invertebrates, USSR 2649

Nemopalpus vietnamensis, distribution, Thailand 5186**Neoplectana**, hosts, invertebrates 3972**Neoplectana bibionis**, hosts, insects, Poland 3330**Neoplectana carpocapsae**

Anura, infection 3971

culture techniques 3328

hosts, *Vespula*, pathogenicity 268

survival, temperature 3968

Neoplectana feltiae (see *N. carpocapsae*)

hosts, *Vespula pensylvanica*, pathogenicity 4770

Neoplectana glaseri, survival, temperature 3968**Neoplectana rara**, taxonomy, redescription 2073**Neobellieria bullata**

biochemistry

cuticle 5038

enzymes 1070

sclerotization 3455, 4537, 4729, 5721

haemolymph, enzymes 4727

immune system 578

ecology, diapause, life history 3689

imidazoles, effects, development 5245

immunocytochemistry, arthropod hormones, nervous system 4716

ontogeny, cuticle, wings 1905

physiology

diapause 1909

vitellogenesis 1902

Neocidol (see Diazinon)**Neoloboptera**, taxonomy, redescription 4136**Neoloboptera mandelsae**, taxonomy, new species 4136**Neoloboptera reesei**, taxonomy, new species 4136**Neomyia cornicina**

cattle dung, Spain 1501

ivermectin, effects 1501

Neomyia pacifica, ecology, intraspecific competition, larvae 3659**Neomyia peronii**, parasitoids 5694**Neomys anomalus**, ectoparasites, Poland 2547**Neomys fodiens**

ectoparasites, Poland 2547

Siphonaptera, Czechoslovakia 66

Neonychalgus, taxonomy, nomenclature 3401**Neopsylla abagitui**, small mammals, China 2210**Neopsylla setosa**, behaviour, feeding behaviour, haematophagy 1782**Neopynamin** (see Tetramethrin)**Neoschoengastia thomasi**, distribution, Philippines 2004**Neostilobezzia**, taxonomy, nomenclature 5983**Neotoma lepida**, Hystrichopsyllidae, USA 5101**Neotrombicula autumnalis**

birds, Poland 1995

cats, skin diseases 3935

man, ectoparasitoses 3497

Mustela erminea hibernica, Irish Republic 922

small mammals, USSR 2005

Sorex alpinus, Poland 1523

Neotrombicula earis, small mammals, USSR 2005**Neotrombicula inopinata**, small mammals, Czechoslovakia 5863**Neotrombicula japonica**, small mammals, USSR 2005**Neotrombicula minuta**, small mammals, USSR 2005**Neotrombicula talmiensis**, *Neomys*, Poland 2547**Neotrombicula vulgaris**, small mammals, USSR 2005**Neotropical Region**

insects, keys 4088

Leeuwenhoekinae 3194

Neottiophilidae, animal burrows, UK 4245**Nepa apiculata**, biology, development 4148**Nepal**

Ancistroplax nepalensis 1762

Anopheles 136

Culicidae 1362

Diptera, scientific expeditions 5458

Gymnophora 4241

Ixodidae 1547

Lotophila 5258

Sarcophagidae 4231

Sarcophaginae 1064

Siphunculina 5764

Tabanidae 5671

Nephila, toxins, neurobiology 4853

- Nephila clavata*
toxins
 chemistry, synthesis 1614
 glutamates, receptors, inhibition 2555
 insecticidal properties 2553
 reviews 5342
- Nephila maculata*, toxins, chemistry, synthesis 1614
- Nepidae**
marshes, Canada 55
taxonomy, keys, British Isles 56
- Neporex** (see Cyromazine)
- Nerocila orbignyi*, *Chrysichthys nigrodigitatus*, Nigeria 2562
- Nerocila tartacovski*, marine fishes, Black Sea 2043
- Nerodia*, *Kiricephalus coarctatus*, USA 3881
- Nesbittia*, taxonomy, new subgenus 2396
- Netherlands**
buildings, arthropods 317
Demodex 3197
dung beetles 3727, 3732
fauna, identification 2116
Gasterophilus 2412
Hydrotaea irritans 209
insects, conservation 441
malaria, epidemiology 1789
Muscidae 1052
Rickettsia conorii 4443
Sarcoptes scabiei 687, 5337
Typhaeus typhoeus 3095, 3723, 3728, 3730-3731, 4113
- Netherlands Antilles**, *Cochliomyia hominivorax* 4728
- Neurochemistry**, *Drosophila melanogaster*, antennae 4247
- Neurocytology**, *Drosophila melanogaster*, photoreceptors 460
- Neuropharmacology**
Boophilus microplus, biogenic amines, oviposition 656
Periplaneta americana, muscles 482
- New Caledonia**
Boettcherisca 1899
Boophilus microplus 643, 3153
dengue virus, epidemiology 5362-5363, 5365
Ross River virus, epidemiology 3240
- New Zealand**
acarology, directories 3424
aircraft, disinsection 3976
aquatic insects 1306
Austrosimulium 3030
biological control, books 867
Blatta orientalis 2891
Calliphoridae 3071
Chalcidoidea 3429
Culicidae 5542
Dermatophagoides pteronyssinus 3307
Diapriidae 4108
Diptera 3056
Drymaplaneta variegata 473
entomology
 history 4114
 research institutes 4518
Haemaphysalis longicornis 2492
Monomorium antarcticum 1516
Mymaridae 3428
Parellipsidion pachycercum 472
sheep
 ectoparasites 3533
 pesticide residues 4079
stored products, Coleoptera 4753
Vespula 3123
- Nicaragua**
Anophelinae, taxonomy, keys 4617
Aralichus porrectus 3213
biological control agents, catalogues 3332
Chagas' disease, epidemiology 49
Scarabaeidae, catalogues 2430
Trichoptera, catalogues 1521
- Nickel**, distribution, Chironomidae, X ray microprobe analysis 3721
- Nicotine** ((S)-3-(1-methyl-2-pyrrolidinyl)pyridine)
fumigants, safety 846
- Nicrophorus**, grasslands, burning 12
- Nicrophorus humator*
 carrion, Switzerland 4261
 ecology, resource partitioning 4261
- Nicrophorus maculifrons*, carrion, Japan 600
- Nicrophorus orbicollis*, behaviour, parental care 5779
- Nicrophorus quadripunctatus*, carrion, Japan 600
- Nicrophorus tomentosus*, bacteria, isolation 1502
- Nicrophorus vespillo*
 carrion, Switzerland 4261
 ecology, resource partitioning 4261
- Nicrophorus vespilloides*
 carrion, Switzerland 4261
 ecology, resource partitioning 4261
- Niger**
dung beetles 3738, 3740
Simulium sirbanum 1440
- Nigeria**
Anopheles 1825
aquatic insects 5044
Chrysichthys nigrodigitatus, parasites 2562
Culicidae 2332
Epiplatys senegalensis 3576
Epiplatys sexfasciatus, prey 2968
fowls, ectoparasites 2185
Glossina tachinoides 1049
Paederus 2434
Sarcoptes scabiei 2538, 3853
Simulium sirbanum 1440
Tabanidae 1042
trachoma, epidemiology 2628
West Nile virus, epidemiology 5372
yellow fever, epidemiology 1409
yellow fever virus, epidemiology 761
- Nigerimya*, taxonomy, new subgenus 2396
- Nilobezzia*, taxonomy 554
- Ninox punctulata*, *Strigiphilus petersoni*, Indonesia 4577
- Nitidulidae**, caves, Venezuela 3101
- Niue**, dengue virus, epidemiology 3242, 5362-5363
- Niviventer confucianus*, *Rickettsia tsutsugamushi*, China 4824
- Niviventer fulvescens*, *Rickettsia tsutsugamushi*, China 4824
- Nix** (see Permethrin)
- Nocardia rhodii*, biochemistry, enzymes 1764
- Noditermitomyia*, taxonomy, nomenclature 2398
- Noemachilus denisoni*, prey, Culicidae, India 539
- Nominine**, chemistry 1667
- Nomuraea rileyi*
 cell cultures, virulence 4489
 culture techniques 795, 2070
 hosts, *Rhodnius prolixus*, pathogenicity 5500
- Nondewittea*, taxonomy, new genus 4136
- Nondewittea globulifera*, taxonomy, new combination 4136
- Norfolk Island**, Blattaria 3500
- Norkus*, taxonomy, new genus 339
- Norkus cladocephalus*
 Rhinobatos productus, Pacific Ocean 339
 taxonomy, new species 339
- North America**
arboviruses, epidemiology 3901
Formicidae 2462
- Northway virus**
 horses, USA 4377
 Odocoileus hemionus, USA 3889
- Norway**
Coquillettidia richiardii 5590
Dermatophagoides farinae 4355
fauna, identification 2116
Hypoderma tarandi 2411
Notonecta glauca 5510
Notonecta reuteri 5511
Ornithomya 4738
Sphaeroceridae 2427
- Nosoma monstrosus*, biology, development 4307
- Nosopsyllus consimilis*, behaviour, feeding behaviour, haematophagy 1782
- Nosopsyllus fasciatus*
 control, insecticides 1598
 dogs, Afghanistan 1955
 furbearing animals, Romania 1598, 1777
 Mustela erminea hibernica, Irish Republic 922
 Rattus, plague 1291
 Rattus norvegicus, Poland 1350
 small mammals
 Czechoslovakia 66-67
 Spain 5519
 Yersinia pestis, transmission 1291
- Nosopsyllus laeviceps*, behaviour, feeding behaviour, haematophagy 1782
- Noteridae**, marshes, Canada 246
- Notoedres*, rabbits, skin diseases 689
- Notoedres cati*
 cats
 ectoparasitoses 1168
 skin diseases 3848, 3935
 control, acaricides 1168, 1353, 3848, 4359
 furbearing animals, Romania 1598
 rabbits, skin diseases 4359
 ultrastructure, spermatogenesis 4357
 zoo animals, Poland 1353
- Notoedres chiropteralis*, Chiroptera, German Democratic Republic. 304
- Notonecta glauca*
 distribution, Norway 5510
 physiology, vision 4589
- Notonecta reuteri*, distribution, Norway 5511
- Notonecta undulata*, prey, *Culex tarsalis* 2963
- Notonecta unifasciata*
 control, *Culex tarsalis* 114
 prey, *Culex tarsalis* 2963
- Notonectidae**
marshes, Canada 55
prey, Culicidae 5122
taxonomy, keys, British Isles 56
- Notopterus notopterus*, dimethoate, effects, acetylcholinesterase 4509
- Notothenia gibberifrons*, *Eubrachiella antarctica*, Antarctic Ocean 1622
- Nuclear polyhedrosis viruses**
 control, *Euproctis chrysorrhoea* 606
 human immunodeficiency virus, gene expression 787
 molecular genetics, biotechnology 2666
- Nugget virus**, taxonomy, molecular genetics 2598
- Numida meleagris**
 Amblyomma, South Africa 5832
 Amblyomma hebraeum, South Africa 5844
- Nursery schools**, house dust mites, German Federal Republic 2535
- Nursing homes**, *Sarcoptes scabiei*, USA 331, 1600
- Nutria** (*Myocastor coypus*)
 ectoparasites
 Romania 1598
 Yugoslavia 5860
- Nuvsan** (see Dichlorvos)
- Nyctalus noctula*
 ectoparasites, German Democratic Republic 304
 guano, Diptera, Switzerland 5522
- Nycteribia latreillei*, Chiroptera, USSR 5765
- Nycteribia schmidli*, Chiroptera, USSR 5765
- Nycteribia vexata*, Chiroptera, USSR 5765
- Nycteribiidae**, Desmodontinae, America 3235
- Nycteridopsylla*, Chiroptera, Poland 4151
- Nyctibicola*, taxonomy, new genus 4142
- Nyctibicola longirostris*
 Nyctibius griseus, Paraguay 4142
 taxonomy, new species 4142
- Nyctibius griseus*, *Nyctibicola longirostris*, Paraguay 4142
- Nycticorax nycticorax*, *Argas robertsi*, Taiwan 3159
- Nyctotherus ovalis*, hosts, *Periplaneta americana* 1720
- Nymphaea lotus*, aquatic insects, Nigeria 5044

- Nysius vinitor*, man, bites 3305
Oceania, Diptera, catalogues 3430
Oceanites oceanicus, *Philoceanus robertsi*, South Orkney 4575
Oceanodroma leucorhoa, *Zachvatkinia zygoloba*, USSR 2018
Ochetomyrmex auropunctatus, cocoa plantations, Brazil 3143
Ochotona daurica
Haemaphysalis, Mongolia 1572
Siphonaptera, China 2210
Yersinia pestis, USSR 2620
Ochotona pallasi
Haemaphysalis, Mongolia 1572
Yersinia pestis, USSR 2620
Ochteridae, marshes, Canada 55
Ocimum canum, extracts, repellents, Culicidae 2942
Ockelbo virus
man, Sweden 5357
vectors
Aedes, transmission 4639
Culex, vector potential 5123
Octenol, attractants, *Glossina pallidipes* 569
1-Octen-3-ol
analogues, attractants, *Glossina morsitans*, responses 2373
attractants
Culicidae 2271
Glossina 1865-1866, 1870
Tabanidae 3039
Octomyomermis troglodytis, hosts, *Aedes sierrensis* 2315
Octophiophora, taxonomy, new genus 2564
Octophiophora lacertae
Polychaeta, Pacific Ocean 2564
taxonomy, new species 2564
Octoplasmis, *Scylla serrata*, host parasite relationships 4861
3-Octylthio-1,1,1-trifluoropropan-2-one, inhibition, acetylcholinesterase 4010
Odagmia argyreata (see *Simulium argyreatum*)
Odagmia monticola (see *Simulium monticola*)
Odagmia nitidifrons (see *Simulium nitidifrons*)
Odagmia ornata (see *Simulium ornatum*)
Odagmia spinosa (see *Simulium spinosum*; *Simulium trifasciatum*)
Odagmia variegata (see *Simulium variegatum*)
Odochilini, taxonomy, new tribe 5774
Odochilus, taxonomy, revision 5774
Odochilus bacchusi, taxonomy, new species 5774
Odochilus balthasari, taxonomy, new species 5774
Odochilus grabowskii, taxonomy, nomenclature 5774
Odochilus haroldi, taxonomy, new species 5774
Odochilus johnsoni, taxonomy, new species 5774
Odochilus pittinoi, taxonomy, new species 5774
Odochilus setosus, taxonomy, synonyms 5774
Odochilus syntheticus, taxonomy, synonyms 5774
Odochilus syntheticus philippinensis, taxonomy, new subspecies 5774
Odochilus wallacei, taxonomy, nomenclature 5774
Odocoileus hemionus
Bunyavirus, USA 3889
Cephenemyia, USA 1915
Odocoileus virginianus
Amblyomma americanum, USA 1967, 3812, 4789, 5291
Boophilus annulatus, development 2487
Borrelia burgdorferi, Canada 1210
Ixodes dammini, USA 1964, 1975, 3176, 4306, 5292, 5814
Tabanidae, USA 3637
Odocolieus virginianus, Ixodidae, USA 1573
Odonata
distribution, Oman 5795
Odonata cont.
marshes, Canada 281
medical entomology, Australia 3937
traps 5794
Odontacarus australiensis, rodents, Indonesia 4325
Odontacarus dracophilis
Draco, Philippines 2004
taxonomy, new species 2004
Odontacarus mahaplagensis
birds, Philippines 2004
taxonomy, new species 2004
Odontotermes amaniensis, faeces, Kenya 2465
Odontotermes montanus, faeces, Kenya 2465
Odontotermes stercorivorus, faeces, Kenya 2465
Oeciaceus hirundinis
Delichon urbica
nests, Poland 1340
UK 5098
Hirundinidae, Poland 1351
man, haematophagy 1340
Riparia riparia, Poland 2207
Oecophylla smaragdina, man, bites 3305
Oedemagena tarandi (see *Hypoderma tarandi*)
Oestrus ovis
Alcephalus bucephalus, Tanzania 2409
biology, development 3711
control, insecticides 1916, 5253
livestock, India 5746
man, myiasis 1085, 4732
plant extracts, toxicity 5252
sheep
liveweight gain 1491
myiasis 1916, 5253, 5750
USSR 3701
Oiceoptoma noveboracense, bacteria, isolation 1502
Okaramine A, biochemistry, structure 5413
Okaramine B, biochemistry, structure 5412-5413
Oligochaeta, DDT, residues, USA 5016
Olios calligaster, man, bites, Australia 3219
Oltitoks, control, *Nosopsyllus fasciatus* 1598
Oman
akabane virus, epidemiology 346
Chilopoda 5892
Forcipomyia 5640
Odonata 5795
Omethoate (*O,O*-dimethyl *S*-[2-(methylamino)-2-oxoethyl] phosphorothioate)
resistance, *Culex pipiens*, Egypt 4191
Ommatoiulus moreleti
dwellings, Australia 3233
entomophilic nematodes, parasitism 3233
Omorgus triestinae, taxonomy, new species 4264
Omsk haemorrhagic fever virus
epidemiology, reviews 744
man, reviews 4395
mice, infections, assays 5899
Onchocerca
books 5449
vectors, *Simulium*, Cameroon 1857
Onchocerca armillata, cattle, Sierra Leone 3034
Onchocerca cervicalis, vectors, *Culicoides variipennis*, blood-meals, size 1016
Onchocerca cervicalis, vectors, *Culicoides variipennis*, transmission 177
Onchocerca gutturosa
cattle, Sierra Leone 3034
vectors, *Culicoides*, Sierra Leone 3035
Onchocerca lienalis, *Simulium ornatum*, infection, techniques 1860
Onchocerca ochengi
cattle, Sierra Leone 3034
vectors, *Simulium*, infections 3036
Onchocerca raillietii, vectors, *Culicoides kingi*, Sudan 3613
Onchocerca volvulus
man
Ecuador 4941
epidemiology 5392
Onchocerca volvulus cont.
man cont.
reviews 1223
West Africa 2652
vectors
Diptera, transmission 5163
Simulium
control 5393
Ecuador 194
Ghana 3037
infections 3036
Simulium exiguum, microfilariae, estimation 4684
Simulium metallicum
infection 1433
South America 3633
Simulium ochraceum, effects, reproduction 1025
Simulium ornatum, immunity 3632
Simulium sanctipauli, West Africa 4679
Simulium yahense, Liberia 5207
Onchocercidae
vectors
Culex pipiens, China 2244
Culicidae, infectivity 2231
Oncorhynchus gorbuscha, prey, aquatic insects, predation 3483
Ondatra zibethica, ectoparasites, USA 5317
Onesia khasiensis
distribution, Bangladesh 5730
taxonomy, new combination 5730
Oniticellus egregius, behaviour, nesting, dung 3742
Oniticellus formosus, behaviour, nesting, dung 3742
Oniticellus fulvus, ecology, spatial distribution 5776
Oniticellus intermedius, cattle dung, nutrition, assays 3098
Oniticellus pallipes
control, *Musca vetustissima* 219
ecology, spatial distribution 5776
Oniticellus planatus, behaviour, nesting, dung 3742
Onitis alexis
cattle dung
Australia 3094
South Africa 3741
ecology
interspecific competition 3741
phenology 3094
Onitis belial
cattle dung, Spain 1501
ecology, spatial distribution 5776
ivermectin, effects 1501
Onitis ion, ecology, spatial distribution 5776
Onthophagini, distribution, Spain 1925
Onthophagus
cattle dung, Spain 1926
distribution, Australia 598
morphotaxonomy, larvae 3735
Onthophagus binodis, control, *Musca vetustissima* 219
Onthophagus bonasus
ecology, overwintering 4255
soil, USA 4255
Onthophagus ferox, control, *Musca vetustissima* 219
Onthophagus fracticornis
cattle dung, Spain 3096
faeces, Spain 4259
Onthophagus furcatus, faeces, Spain 4259
Onthophagus gazella
ecology, overwintering 4255
Haematobia irritans, interspecific competition 1468
rearing techniques 5263-5264
soil, USA 4255
Onthophagus lemur, faeces, Spain 4259
Onthophagus similis
faeces, Spain 4259
rabbit droppings, Spain 3097
Onthophagus taurus, faeces, Spain 4259
Ontogeny
Aedes aegypti, metamorphosis 5149
Blaberus craniifer, cuticle, circadian rhythm 1738

Ontogeny cont.

- Blattella germanica*, oocytes, electrophysiology 4135
Boettcherisca peregrina, fat body, metamorphosis 1910
Calliphora vicina, nervous system 1891
Culex salinarius, autogeny 936
Drosophila melanogaster, sensilla 4745
Eristalis, temperature 1492
Haemaphysalis longicornis, development 1973
insects
 development, books 2823
 embryogenesis 4530-4533
 genes, metamorphosis 453
 maternal effects 463
 microscopy 5047
 moulting hormones, meiosis 2172
 nervous system 452
 neurons, metamorphosis 3450
 somatic inheritance 4119
invertebrates, nervous system, development 3451
Iridomyrmex humilis
 caste determination 628
 sex differentiation 626
Musca domestica, pattern regulation 4226
Neobellieria bullata, cuticle, wings 1905
Periplaneta americana, nervous system, antigens 5064
Phormia regina, neurons, metamorphosis 4717
Polistes perplexus, polygyny 616
Solenopsis invicta, longevity 3135
 Triatominae, embryogenesis 2922
Onychalges, taxonomy, synonyms 3401
Onychalginae, taxonomy, new subfamily 3401
O'nyong-nyong virus, epidemiology, reviews 1626
Ooencyrtus masii, hosts, *Thaumetopoea proceSSIONea*, parasitism 3107
Ooencyrtus pityocampae
 hosts
 insects 3108
 Thaumetopoea bonjeani, parasitism 3109
 Thaumetopoea pityocampa 3104
 Italy 4759
Ooencyrtus venatorius, hosts, Triatominae 48
Oolathron mireyae, hosts, Triatominae 48
Opalimosina calcarifera, distribution, Pakistan 5763
Opalimosina mirabilis, distribution, Pakistan 5763
Opalimosina pseudomirabilis, taxonomy, new species 5763
Ophecephalus barca, prey, *Anopheles dirus* 536
Ophecephalus garchua, prey, *Anopheles dirus* 536
Opionyssus natricis
 distribution, USA 3815
 snakes 3933
Opionyssus saururum, *Lacerta*, Poland 1994
Ophthalmopsylla kukuschkini, small mammals, China 2210
Ophyra aenescens (see *Hydrotaea aenescens*)
Opifex, Australasia, catalogues 4099
Opifex fuscus, distribution, New Zealand 5542
Opilo domesticus, buildings, Netherlands 317
Opisthacidius, prey, Triatominae 48
Opisthonus alborufescens, man, bites, Australia 3219
Orasema, hosts, *Solenopsis invicta* 4758
Orbivirus
 hosts, Culicidae, pathogenicity 4174
 taxonomy, classification 4398
Orchopeas howardii, mammals, USA 5317
Orchopeas leucopus, *Sigmodon hispidus*, USA 41
Organochlorine compounds, residues, *Larus argentatus* 2802
Organochlorine insecticides
 membranes, lipids 830
 residues, analytical methods 2810
 toxicity, arthropods 2759
Organochlorine pesticides
 residues
 analytical methods 4064
 human milk, Finland 1691
 man, serum, analytical methods 5439-5440
 milk, analytical methods 4512
 pigs 2808
 toxicity, Chiroptera 1265
 water, partition coefficients 4069
Organophosphate insecticides
 control, *Ctenocephalides* 1348
 poisoning, man, symptoms 2788
 resistance, Culicidae, assays 2255
 sea water, analytical methods 1285
Organophosphate pesticides
 poisoning
 man 840
 Ivory Coast 1689
 treatment 2102
 USA 849
 Zimbabwe 3378
 residues, analytical methods 2800
Organophosphorus compounds
 analytical methods 2799
 antidotes 3375
 aqueous solutions, analytical methods 5949
 chemistry, structure-activity relationships 1256
 residues, analytical methods 2794
Organophosphorus insecticides
 analytical methods 1283
 membranes, lipids 830
 poisoning, man 432
 resistance, Culicidae, Sri Lanka 1379
 toxicity
 arthropods 2759
 Xenopus laevis 4021
Organophosphorus pesticides
 analytical methods 1287
 gas chromatography 4071
 mass spectrometry 4074
 effects
 man
 blood chemistry 5976
 skin diseases 5977
 residues
 analytical methods 2806
 milk, analytical methods 3393
Oribatida, mammals, Poland 1524
Oribatula, *Moniezia expansa*, Argentina 684
Oriental Region, Cryptostigmata, catalogues 3433
Oriolus flavocinctus, Kunjin virus, Australia 1627
Orix japonica, extracts, *Periplaneta americana* 5472
Ornidia obesa, rearing techniques, protein sources 3715
Ornithocheyletia, anatomy, musculoskeletal system 5862
Ornithodoros
 Desmodontinae, America 3235
 distribution, British Isles 4796
 North America 2505
Ornithodoros amblus, Huacho virus, Peru 2591
Ornithodoros capensis
 arboviruses, Australia 5847
 Baku virus, USSR 2591
Ornithodoros coniceps, hosts, Italy 3804
Ornithodoros coriaceus
 Borrelia coriaceae, transmission 2604
 Cowdria ruminantium, assays 2476
Ornithodoros erraticus
 African swine fever virus
 Portugal 3820
 Spain 4806
 transmission 725
 virus clearance 1540
 hosts, Italy 3804
 pigs, Spain 4806
 sampling 3823
 ultrastructure, haemocytes 4293
Ornithodoros faini, distribution, Tanzania 1976
Ornithodoros hermsi, *Yersinia pestis*, infection 5302
Ornithodoros lahorensis
 bacteria, host parasite relationships 1983
 control, acaricides 2500
 livestock, Turkey 5311
 physiology, immune system 1983
 sheep, USSR 2500
Ornithodoros maritimus, *Rissa tridactyla*, France 5823
Ornithodoros moubata
 African swine fever virus
 Malawi 647
 transmission 725
 Zambia 2475
 bacteria, host parasite relationships 1983
 biochemistry
 eggs, moulting hormones 1958
 enzymes, assays 5456
 moulting hormones, metabolism 1138
 proteinase inhibitors 3814
 vitellogenesis 1970
 techniques 1576
 cypermethrin, effects, ovarian development 2480
 human immunodeficiency virus, mechanical transmission 664
 laboratory animals, IgG 1536
 physiology, immune system 1983
 pigs, Malawi 647
 reproduction, ovarian development 1970
 symbionts, host parasite relationships 296
 vectors, *Borrelia duttoni*, Namibia 1644
 Yersinia pestis, infection 5302
Ornithodoros moubata porcinus, African swine fever virus, virus clearance 1540
Ornithodoros papillipes (see *O. tholozani*)
Ornithodoros parkeri
 ivermectin, toxicity 2485
 precocene II, pharmacokinetics 1982
 Yersinia pestis, infection 5302
Ornithodoros puertoricensis
 hosts, Caribbean 2486
 taxonomy, description 2486
Ornithodoros savignyi, sex pheromones 4798
Ornithodoros tartakovskyi, Siphonaptera, feeding 1780
Ornithodoros tholozani
 bacteria, host parasite relationships 1983
 Karshi virus 2052
 laboratory animals, IgG 1536
 physiology, immune system 1983
 Yersinia pestis, infection 5302
Ornithodoros turicata
 ecology, population ecology 1539
 Gopherus polyphemus, USA 1539
 Yersinia pestis, infection 5302
Ornithomya avicularia
 mites, Norway 4738
 Picus viridis, Norway 4738
 Trypanosoma corvi, infection 589
Ornithomya biloba, *Uria aalge*, Norway 4738
Ornithonyssus, man, ectoparasitoses 3497
Ornithonyssus bacoti
 distribution, USA 3815
 Litomosoides carinii, transmission 4821
 man, skin diseases 1580
 morphology 4320
 Rattus rattus, Korea Republic 4320
Ornithonyssus bursa, *Riparia riparia*, Poland 1995
Ornithonyssus sylviarum
 control
 acaricides 3827
 insecticides 1149
 distribution, USA 3815
 fowls
 Argentina 1149
 immune response 3238, 3829

- Pangonius variegatus*, distribution, Portugal 5675, 5678
- Panstrongylus diasi*, dwellings, Brazil 5503
- Panstrongylus geniculatus*
dwellings, Brazil 5503
Palmae, Brazil 3541
- Panstrongylus lignarius*, Palmae, Brazil 3541
- Panstrongylus megistus*
blood-meals, identification 52
physiology, neuroendocrine system 2914
reproduction, ovarian development 5498
- Trypanosoma cruzi*
Brazil 50, 5503
infection 2193
xenodiagnosis 491, 2192
ultrastructure, neuroendocrine system 5499
- Panstrongylus tupynambai*, biology, development 44
- Pantala hymanaea*, prey, *Culex tarsalis* 2963
- Pantalozeptes pectinatus*, *Meles meles*, animal burrows, Europe 467
- Panthera tigris*, *Demodex tigris*, skin diseases 5859
- Papio anubis*, *Chrysops*, Congo 1043
- Pappogeomys alcorni*, *Geomydoecus*, Mexico 2900
- Pappogeomys bulleri*, *Geomydoecus*, Mexico 2901
- Pappogeomys fumosus*, *Geomydoecus*, Mexico 2900
- Pappogeomys merriami*, *Geomydoecus*, Mexico 2900
- Pappogeomys tylosinus*, *Geomydoecus*, Mexico 2900
- Pappogeomys zinseri*, *Geomydoecus*, Mexico 2900
- Papua New Guinea**
acarology, directories 3424
Aedes scutellaris 5156
Anopheles 1811, 2321, 4156, 5137
Anopheles punctulatus 1004
Boettcherisca 1899
Dermatophagoides pteronyssinus 4352
Lilaea ismayi 5685
malaria, epidemiology 2228, 2230
Murray Valley encephalitis virus, epidemiology 4411
Muscina arcuata 5231
Polistes stigma 267
Sergentomyia 5651
Trombiculidae 4817
- Parabazzia*, taxonomy, nomenclature 5983
- Parabronema skrjabini*
livestock, USSR 2378
vectors, Muscidae, USSR 1054-1055, 2378
- Paracerus melis*, *Meles meles*, animal burrows, Europe 467
- Parachironomus arcuatus*, lakes, Japan 1089
- Paracladius*, rivers, Japan 244
- Paracladopelma campolabis*, water quality, biological indicators 5261
- Paracoptochirus balthasari*, taxonomy, nomenclature 4258
- Paracoptochirus dellacasai*, taxonomy, nomenclature 4258
- Paracoptochirus petrovitzii*, taxonomy, new species 4258
- Paracoptochirus singularis*, taxonomy, lectotypes 4258
- Parafilaria bovicola*, *Musca*, South Africa 1453
- Paragastiella orophila*, behaviour, mating behaviour 3717
- Paragnetina media*, morphology, mouthparts, sensilla 3784
- Paragonimus*, intermediate hosts, *Ranguna smithiana*, Thailand 4876
- Paragonimus uterobilateralis*, intermediate hosts, *Liberonautes latidactylus*, Liberia 4874, 5354
- Paraguay**
Nyctibicola longirostris 4142
tickborne diseases, epidemiology 4471
Trogidae 4264
- Parakiefferiella tamatriangulatus*, rivers, Japan 244
- Paralogsinae**, taxonomy, new subfamily 3401
- Paramecium caudatum*, organophosphorus pesticides, toxicity 2762
- Paramecium primaurelia*, permethrin, toxicity 3362
- Paraneosylla dampfi*, rodents, USSR 4290
- Paranoplocephala omphalodes*
intermediate hosts, Collembola, USSR 1522
rodents, USSR 1522
- Paraoson* (diethyl 4-nitrophenyl phosphate)
effects, rats, acetylcholinesterase 5967
- Parapandales narval*, *Holophryxus* 5351
- Parapauloppia dactiloscopica*, *Moniezia expansa*, Argentina 684
- Paraphlebotomus*, taxonomy, phylogeny 3631
- Parasarcophaga albiceps**
distribution, South East Asia 5728
genetics, chromosomes 1074-1075
- Parasarcophaga argyrostoma**
anatomy, muscles, eclosion 1788
biochemistry, nervous system, polypeptides 5039
distribution, Pakistan 5731
genetics, chromosomes 1074-1075
- Parasarcophaga crassipalpis**
biochemistry, muscles 1892
biology, development 2395
ecology, diapause, life history 3689
genetics, mutants 1080
man, myiasis 2395, 3067, 3682
physiology
diapause
protein synthesis 4719
puparia 5236
- Parasarcophaga knabi**, genetics, chromosomes 1074-1075
- Parasarcophaga loyesi**, taxonomy, nomenclature 5728
- Parasarcophaga misera**
distribution
Pakistan 5731
South East Asia 5728
genetics, chromosomes 1074-1075
- Parasarcophaga orchidea**, genetics, chromosomes 1074-1075
- Parasarcophaga portschinskyi**, taxonomy, nomenclature 5731
- Parasarcophaga promiscua**, taxonomy, nomenclature 5728
- Parasarcophaga ruficornis**
biochemistry
moulting hormones 5743
assays 5742
genetics, chromosomes 1074-1075
snake venoms, toxicity 5247
- Parasarcophaga tuberosa**, parasitoids, Romania 4756
- Parasarcophaga uliginosa**, hosts, *Euproctis chrysorrhoea*, parasitism 3110
- Parasarcophaga yunnanensis**, taxonomy, nomenclature 5731
- Parasecia gurneyi**, Chiroptera, USA 5516
- Parasitengona**, freshwater fishes, USSR 311
- Parasites**
man, diagnosis, books 3399
molecular biology, vaccines 2647
- Parasitidae**, cattle dung, USA 2521
- Parasitoids**
behaviour, superparasitism 5270
behavioural ecology, conferences 3484
host parasite relationships
models 890, 3116
reviews 3757
integrated control, models 1244
physiology, host parasite relationships 3758
- Parasitoses**, nomenclature 1183
- Parasitus coleopratorum**, hosts, Sphaeroceridae 4313
- Parasitus consanguineus**, cattle, skin diseases 2515
- Parasitus remberti**, *Arvicola terrestris*, nests, Switzerland 4321
- Parasphaerocera tertia**, mites 4313
- Paraspinturnix globosus**, taxonomy, legs, chaetotaxy 4315
- Paratanytarsus**, phoresy, *Zygonyx iris* 3085
- Parathelohania anophelis**, hosts, *Anopheles quadrimaculatus* 3609
- Parathion** (*O,O*-diethyl *O*-(4-nitrophenyl) phosphorothioate)
chemistry, photolysis 2113
effects
bacteria, growth 2761
man, DNA amplification 5978
exposure, man, USA 1274
membranes, lipids 830
metabolism, rats 5975
poisoning
man
Philippines 848
Sierra Leone 5432
USA 849
residues, surface water, detection 2798
resistance
Culex quinquefasciatus 2973
Culex tarsalis, USA 119
teratogenesis, *Colinus virginianus* 4028
toxicity
fishes 5427
man 424
- Parathion-ethyl**, effects, rats, enzymes 5001
- Parathion-methyl** (*O,O*-dimethyl *O*-(4-nitrophenyl) phosphorothioate)
analytical methods, llq
phy 2108
clothing, resistance to penetration 404
effects
Channa orientalis, enzymes 3370
Heteropneustes fossilis, blood chemistry 2777
Lamellidens marginalis, metabolism 2763
exposure, *Anas platyrhynchos*, cholinesterase 838
mutagenicity, man 844
pharmacokinetics, *Tilapia mossambica* 5002
residues, clothing, laundering 4970
toxicity
fishes 5427
Paramecium caudatum 2762
- Paratrechina longicornis**, *Solenopsis invicta*, behaviour, interspecific competition 5277
- Paravespula vulgaris** (see *Vespula vulgaris*)
- Parcoblatta**, dwellings, USA 1319
- Pardosa delicatula**, prey, *Culex pipiens*, predation 1836
- Pardosa ramulosa**, rice fields, USA 2023
- Parellipsidion pachycercum**, entomophilic nematodes, host parasite relationships 472
- Pariondantis riggenbachi wernecki**, *Hystrix indica*, India 1787
- Paris green** (see Copper acetoarsenite)
control, Culicidae, economics 540
- Parrots**, *Knemidokoptes pilae*, Turkey 695
- Paruroctonus utahensis**
ecology, population ecology 335
entomophilic nematodes 2030
- Paruromys dominator**, Trombiculidae, Indonesia 4325
- Parus arboricola**, Poland 1995
- Parus caeruleus**
ectoparasites, German Federal Republic 4792
Siphonaptera, UK 5098
- Parus gambeli**, *Protocalliphora*, USA 4233
- Parus major**
ectoparasites, German Federal Republic 4792
Ixodes ricinus, feeding 5288
nests, *Gnathoncus schmidtii*, Czechoslovakia 3751
Protocalliphora, Japan 3691
Protocalliphora maruyamensis, Japan 4235
Siphonaptera, UK 5098

- Parus rufescens*, Protocalliphora, USA 4233
- Parvidens*, taxonomy, taxonomic status 3631
- Pasimachus subsulcatus*, biochemistry, defensive secretions 3744
- Passer domesticus*
Ceratophyllus fringillae, China 2209
 Culicidae, host parasite relationships 102
 Mallophaga, Italy 3531
 nests, *Gnathoncus schmidtii*, Czechoslovakia 3751
 St. Louis encephalitis virus, USA 1186
- Passer major*, *Ixodes arboricola*, Poland 1995
- Passer montanus*
Ceratophyllus fringillae, China 2209
 ectoparasites, Poland 1995
 nests, *Gnathoncus schmidtii*, Czechoslovakia 3751
Sturnidoecus ruficeps, Italy 3531
- Passer rutilans*
 Protocalliphora, Japan 3691
 Protocalliphora azurea, Japan 4235
- Pasteurella anatipestifer*, vectors, *Culex*, transmission 1851
- Pastures**
Amblyomma variegatum, Guadeloupe 645
Boophilus microplus, Puerto Rico 4294
Haemaphysalis longicornis, Japan 5281
- Pathology**
 cattle, *Psoroptes ovis*, mange 2016
 dogs, *Demodex canis* 4327
 laboratory animals, Ixodidae, bites 3799
 pigs, *Sarcoptes scabiei* 1599
 rabbits
Dermacentor variabilis 2508
Sarcoptes scabiei 1605
 sheep
Bovicola bovis 1325
Psoroptes ovis 691
- Pattonella intermutans*, ecology, diapause, life history 3689
- Peaton virus*, epidemiology, reviews 752
- Peckia abnormis*, ecology, diapause, life history 3689
- Peckia chrysostoma*, ecology, diapause, life history 3689
- Peckia obtusifrons*, ecology, diapause, life history 3689
- Peckolus alpinus*
 carrion, South Africa 596
 taxonomy, new species 596
- Pectinopygus bassani*, *Sula bassani*, Italy 3531
- Pediculaster costaricensis*
 hosts, Sphaeroceridae 4313
 taxonomy, new species 4313
- Pediculaster ghilarovi*, taxonomy, new species 2520
- Pediculaster malyi*
 hosts, Sphaeroceridae 4313
 taxonomy, new species 4313
- Pediculaster norrbomi*
 hosts, Sphaeroceridae 4313
 taxonomy, new species 4313
- Pediculaster ryanovi*
 hosts, Sphaeroceridae 4313
 taxonomy, new species 4313
- Pediculus capitis**
 control
 acaricides 5490
 bed nets 991
 insecticides 37-38, 40, 42, 1330, 1332, 2189, 2904-2906, 5486, 5489-5491
 formulations 40
 dwellings, Gambia 991
 human immunodeficiency virus, transmission 1190
 man
 Cameroon 5493
 control, insecticides 811
 ectoparasitoses, diagnosis 923
 hair, attachment 5492
 Israel, archaeology 1334
 Pakistan 1336
- Pediculus capitis* cont.
 man cont.
 skin diseases 37-38, 40, 42, 1330, 1332, 2189, 2904-2906, 5486, 5489-5491
 Spain 5489
 taxonomy, chemotaxonomy 1761
- Pediculus humanus*
 archaeology, Greenland 5056
 biochemistry, enzymes, assays 5456
 control, insecticides 2903
 man
 Cameroon 5493
 control, insecticides 811
 Ethiopia 5487
 Mexico 2572
Rickettsia prowazekii, transmission 3259
 taxonomy, chemotaxonomy 1761
- Pedix-Ektobrom** (see Naled)
- Pelea capreolus*, *Amblyomma*, South Africa 5832
- Pelecanoides georgicus*, *Zachvatkinia*, South Georgia 2018
- Pelecitop fulicaeatae*, vectors, *Pseudomonopon pilosum*, infection 3530
- Pelidnoptera fuscipennis*, distribution, Poland 593
- Pellonyssus passerii*, distribution, USA 3815
- Peltodytes edentulus*, *Bacillus thuringiensis*, pathogenicity 77
- Peltogaster paguri*, morphology 2046
- Penaeus aztecus*, temephos, toxicity 2787
- Penaeus stylirostris*, methamidophos, toxicity 419
- Penicillidia conspicua*, Chiroptera, USSR 5765
- Penicillidia dufouri dufouri*, Chiroptera, USSR 5765
- Penicillium*
Aedes, USSR 161
 hosts, *Vespula* 268
- Penicillium minioluteum*, hosts, arthropods, Italy 4955
- Penicillium simplicissimum*, metabolites, antibiotic insecticides 5412-5413
- Peniculisa bellwoodi*
Pomacentrus amboiensis, Atlantic Ocean 3872
 taxonomy, new species 3872
- Peniculus*, morphology, proboscis 4862
- Pentaneura*, prey, Culicidae, predation 3572
- Pentaneura divisa*, water quality, biological indicators 5261
- Pentapedilum tigrinum*, lakes, Japan 1089
- Pentastomiasis**
Linguatula, man 3884
Sambonia lohrmanni, *Varanus dumerilii* 3883
Sebekia mississippiensis, *Alligator mississippiensis* 2570
- Pentastomida**
Lepus capensis, Spain 2468
 snakes 3933
- Peptococcus indolicus*, vectors, *Sarcoptes scabiei*, transmission 3663
- Peptostreptococcus*, Silphidae, isolation 1502
- Peptostreptococcus indolicus*
 vectors
Hydrotaea irritans
 Denmark 1474
 mechanical transmission 204-205, 210
- Peranus bimaculatus*, prey, *Stomoxys calcitrans* 1456
- Perca fluviatilis*, malathion, resistance, resistance mechanisms 4048
- Pergalumna*, *Moniezia expansa*, Argentina 684
- Pergamasus*, entomogenous fungi 2705
- Pergamasus barbarus*, ultrastructure, eggs, chorion 4319
- Pergamasus crassipes*, *Meles meles*, animal burrows, Europe 467
- Periglischrus*, taxonomy, legs, chaetotaxy 4315
- Periglischrus acutisternus*, *Phyllostomus discolor*, Brazil 3188
- Periglischrus caligus*, *Glossophaga soricina*, Brazil 3188
- Periglischrus herrerae*, *Desmodus rotundus*, Brazil 3188
- Periglischrus iheringi*, *Phyllostomidae*, Brazil 3188
- Periglischrus ojasti*, *Sturnira lilium*, Brazil 3188
- Periglischrus paravargasi*, *Anoura caudifera*, Brazil 3188
- Periglischrus torrealbai*, *Phyllostomus discolor*, Brazil 3188
- Perilampidae**, morphology, mouthparts 61
- Periplaneta**
 control, biological control 5075
 parasitoids 5075
- Periplaneta americana*
 abamectin, toxicity 411
 allergens, characterization 4131
 anatomy, neuromuscular system 4140
 anthelmintics, mode of action 3355
 antigens
 characterization 4557
 cross reactivity 911
 glycoproteins 888
 bacteria, Ghana 2880
 baits, feeding behaviour 1748
 behaviour, perception, allelochemicals 1315
 bioassays, behaviour, electroantennograms 2885
 biochemistry
 acetylcholinesterase, ovarian development 5072
 acyltransferases 1734
 biogenic amines
 metabolism 1740
 nervous system 905
 corpora cardiaca, peptides 33
 cuticle 5038
 sclerotization 4537
 ecdysone, metabolism 1729
 enzymes, nervous system 2888
 haemolymph, proteins 3524
 hydrocarbons 917
 nervous system, polypeptides 5039
 neuroendocrine system 4561
 neuropeptides 4556
 neurotransmitters 32
 octopamine, metabolism 3501
 secretions, acetoin 1317
 taurine, trehalase 1723
 transfer RNA 2884
 trehalase, biosynthesis 1724-1726
 bungarotoxin, effects, nervous system 3505
 cesspits, South Africa 4608
 Cestoda, infection 2895
 control, biological control 1745
 cytochemistry, haemocytes 3523
 DDT, effects, nervous system 5478
 deltamethrin, effects, potassium 476
 destruxins, inhibition, immune system 794
 development, nervous system, antigens 5064
 dichlorvos, effects, nervous system 1322
 dihydropyrazoles, mode of action 4987
 distribution, Norfolk Island 3500
 dwellings
 control 2893
 USA 1319
 embryogenesis, moulting hormones 483
 entomopathogens 1720
 entomophilic nematodes 2709, 2711, 3329
Eurypelma californicum, venoms, toxicity 1615
 genetics, cytogenetics 27
 herbaria, control 2170
Heterorhabditis heliothidis, susceptibility 3502
 immunocytochemistry
 endocrine system, kinins 2849
 nervous system 30
 neuroendocrine system 4138
 peptides, midgut 5066
 immunohistochemistry
 LH 1731
 nervous system 5473

- Periplaneta americana** *cont.*
insecticides
effects, nervous system 3519, 4126
toxicity 1671, 2759
Juniperus virginiana, repellents 1747
juvenile hormone III, binding, lipophorin 2889
Leishmania heritgi, phagocytosis 2894
lphotoxin, nervous system 3512
man
allergies 374, 5058, 5396
hypersensitivity 2171, 4130, 4474
treatment 4134
Metarhizium anisopliae, pathogenicity 2071
Moniliformis moniliformis
infection 475
infections 2168
neuromuscular system, culture techniques 2882
neurons, culture techniques 2881
neuropharmacology, muscles 482
ontogeny, moulting hormones, meiosis 2172
organochlorine insecticides, effects, γ -aminobutyric acid, receptors 5952
organophosphorus insecticides, toxicity 2169
organosilane insecticides, toxicity 5420
parasitoids 5076
parasitism 474
physiology
anoxia, electrophysiology 3508
behaviour 906, 914
cuticle, water relations 1742, 3511, 3513
electrophysiology 3509
flight 3514
hearing, auditory threshold 2179
immune system 1735, 2168, 4129
locomotion 912, 3503
statistical analysis 913
mechanoreceptors 4569
moulting, prothoracic gland 4126
nervous system 477, 2873, 4555
repair 22-23, 3515
neuroendocrine system, fat body 5068
neuromuscular system 481, 3529, 4565
neurons
electrophysiology 3507
glutamates, receptors 3506
octopamine, neurohaemal organ 3510
reproduction, gonotrophic cycles, corpora allata 5070
taste 1736
vision 3504
water relations 2169
plant extracts
effects 407, 5472
toxicity 479
proctolin, analogues, effects, neuromuscular system 2737
propaphos, metabolism 5951
pyrethroids
effects 5957
nervous system 5956
repellents, efficacy 2752
Scorpiones, toxins, effects, nervous system 2032
sex pheromones 1320
biochemistry 3521
periplanone A 4571
synthesis 24
tetramethrin, effects, nervous system 5954, 5959
tissue culture, nervous system 4567
trichlorfon, resistance, resistance mechanisms 1321
ultrasound, effects 2179
ultrastructure
chemoreceptors 1736
muscles 481
prothoracic glands, moulting hormones 4566
sense organs 2181
ultraviolet radiation, effects, behaviour 5080
- Periplaneta australasiae**
biochemistry, corpora cardiaca, peptides 33
caves, Mexico 5073
dwellings, USA 1319
- Periplaneta brunnea**
biochemistry, corpora cardiaca, peptides 33
dwellings, USA 1319
genetics, cytogenetics 26
- Periplaneta fuliginosa**
antigens, cross reactivity 911
bait traps 1323
baits, feeding behaviour 1748
biochemistry, corpora cardiaca, peptides 33
control, insecticides 1319
dwellings, USA 1319, 1323
insect viruses, infections 5081
Juniperus virginiana, repellents 1747
parasitoids 5076
- Periplaneta japonica**, parasitoids 5076
- Periplanone A**
chemistry
molecular structure 3521
synthesis 24
- Periplanone D**, biochemistry, characterization 1320
- Permethrin** ((3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate)
application, buffer zones 3975
cattle, persistence 965
chemistry, photochemistry 1252, 1279
control
Aedes albopictus 93
Amblyomma variegatum 1549
Anopheles 2972, 4156, 5175
Anopheles darlingi 989
Anopheles gambiae 1382
arthropods 2079
Blattella germanica 25
Culicidae 117, 965, 990, 2292, 5567
Demodex folliculorum 3190
Diptera 4704
Haematobia irritans 214, 3054, 4008
insects 3976
Ixodes dammini 2509
Menacanthus stramineus 921
Musca conducens 5232
Musca domestica 1471
nuisance pests 991
Ornithonyssus sylviae 3827
Pediculus capitis 37-38, 2904
Phlebotominae 1021
Phlebotomus perfiliewi 3013
Psoroptes cuniculi 690
Sarcoptes scabiei 1607, 4844
Spilopsyllus cuniculi 4599
degradation, sewage effluent disposal 4068
effects
 γ -aminobutyric acid, receptors 4041
aquatic insects 2105
benzodiazepine, receptors 4042
Blattella germanica, photosensitivity 478
Chlamydomonas reinhardtii 2093
fowls, mixed function oxidase 4044
mice, enzymes 4025
nervous system 4043
Salmonidae 2104
efficacy, Culicidae 1827
impregnated fabrics, efficacy, Culicidae 1829
irritability, Culicidae 977
metabolism, *Haematobia irritans* 5701
Musca domestica, cross resistance 1463
mutagenicity, bacteria 4014
nontarget effects, aquatic organisms 798
pesticide mixtures, toxicity, insects 1462
repellents
Aedes 2262
Aedes taeniorhynchus, efficacy 968
Culicidae 75, 2933, 5119
Culiseta impatiens 1405
Ixodidae 3816
- Permethrin** *cont.*
resistance
Aedes aegypti 532, 5613
Blattella germanica 4137
resistance mechanisms 3528
Culex pipiens, Japan 5152
Culex quinquefasciatus 2973
Saudi Arabia 2340
Culex tritaeniorhynchus, Ryukyu Archipelago 5155
Diptera, USA 5698
Drosophila melanogaster, mutants 3984
Haematobia irritans 5703
Musca domestica
cross resistance 5714
German Democratic Republic 5700
resistance mechanisms 4219, 5702
Muscidae, USA 4697
structure activity relationships, *Musca domestica* 1887
susceptibility, *Aedes albopictus* 2268
toxicity
arthropods 2091
Cheyletus malaccensis 1153
Ctenocephalides felis 1343, 2208
Gambusia affinis 1678
Haematobia irritans 1059
insects, temperature 1258
Iridomyrmex humilis 1952
Mallophaga 1757
Musca conducens 5716
Paramecium primaurelia 3362
Phlebotomus 5655
Saccharomyces cerevisiae 420
with malathion, formulations, stability, carriers 4005
trans-, resistance, *Musca domestica*, resistance mechanisms 4219
Peromyscopsylla bidentata, small mammals, Czechoslovakia 67-68
Peromyscopsylla fallax, small mammals, Czechoslovakia 67-68
Peromyscopsylla ostsibirica, taxonomy, nomenclature 1347
Peromyscus, *Ehrlichia risticii*, USA 2606
Peromyscus leucopus
Borrelia burgdorferi
Canada 1210
infections 5285
pathogenesis 4428
Dermacentor variabilis, USA 1575
Ixodes dammini
bites 668
USA 659, 1980, 3817, 4292, 4306
Ixodidae, USA 5296
Peromyscus maniculatus, *Aedes aegypti*, blood-meals, digestion 1368
Persea major, botanical insecticides 4976
Peru
Aralichus 3213
Colpocephalum holzenthali 2899
Cummingsia izori 1324
Gigantodax 3635
Kaysius emersoni 2896
Lyttomeloe saulcyi 1504
Meliponinae 3767
Musca domestica 5708
Oroya fever, epidemiology 4427
Sarcophagidae 5738
Strigiphilus 4577
Perutimeris, hosts, *Aedes vexans* 2288
- Pest control**
regulations, energy 2811
reviews 1655
urban areas, developing countries 397
women, sexual discrimination 2167
- Pest resistance**
cattle
Boophilus microplus 3810, 5314
vaccines 4288
ectoparasites 2514
Hyalomma anatolicum 2510
Ixodidae 642
Rhipicephalus appendiculatus 639, 2496, 4303, 4804, 5813
laboratory animals, Ixodidae 1139, 1144

Pest resistance cont.

rabbits

- Boophilus microplus* 3802
- Ixodes ricinus* 1145
- Rhipicephalus* 657
- Rhipicephalus appendiculatus* 3160, 5287
- Rhipicephalus evertsi*, antigens 4809-4810

sheep, *Lucilia cuprina*, myiasis 3664-3665, 3667

vertebrates, haematophagous arthropods 371

Pesticide residues

analytical methods

- books 864
- chromatography 4516
- gas chromatography 2112, 2810
- immunoassay 852, 2805
- liquid chromatography 2803
- mass spectrometry 2110
- reviews 2801
- birds, monitoring 2793
- food, books 869
- fowls, Kenya 854
- fresh water, risk assessment 2795
- groundwater, contamination 853
- human milk, Italy 2790
- lanolin 1692-1693
- man

health hazards, assessment, methodology 1687

Israel 1275

meat, Spain 1282

sea water, analytical methods 1285

surface water, analytical methods 2798

water

analytical methods 2109

reviews 4080

removal 1286

Pesticides

air-water partitioning, Henry's Law 2086

analytical methods

- gas chromatography 4070
- liquid chromatography 4072
- application methods, energy 2715
- assays, death, assessment 418
- carcinogenesis 834
- catalogues, books 860, 2821
- chemistry
- books 2826
- stereoselectivity, books 2117
- clothing, resistance to penetration 404
- control, insect pests, models 5408
- economics, Malaysia 1272
- environmental impact 3388
- exposure
- man

assessment 3389

legislation 3390

formulations 2750, 3352

emulsions, stability 818-819

impurities 816

suspensions, characteristics 817

synergism, reviews 2087

water, evaporation 4007

gas chromatography, bibliographies 2817

haptens, antibodies 5416

health hazards, farm workers, USA 1278

labelling, Thailand 815

legislation, UK, books 3427

man, exposure 845

microbial degradation, reviews 5024

mode of action 415

mutagenicity 833

nontarget effects

UK 2812

conferences 2833

phototoxicity, conferences 5034

poisoning

man 847, 3386

Australia 3380

Ecuador 3382

production, energy 2748

registration, North America 856

research, structure activity relationships, multivariate analysis 4004

safety 2813

Pesticides cont.

safety cont.

- books 1289
- safety at work 3387
- spraying, coverage 800
- storage, safety 2814
- teratogenesis, man, USA 429
- toxicity, man, skin 3368
- toxicology 832
- books 3415
- history 3369

usage

- code of practice 3383
- cost benefit analysis 1249

Pestivirus, contamination, Culicidae, cell lines 3907

Pestoban

control

- Boophilus microplus* 3822
- ectoparasites 3178-3180
- Hyalomma anatolicum* 5803

Peucetia viridans, prey, *Apis mellifera* 698

Pfaffia iresinoides, extracts, biochemistry, glycosides 3990

Phacochorus aethiopicus, *Amblyomma*, South Africa 5832

Phacophallus, poultry housing, South Africa 601

Phacophallus tricolor, pesticides, nontarget effects 4704

Phaenicia coeruleiviridis (see *Lucilia coeruleiviridis*)

Phaenicia eximia (see *Lucilia eximia*)

Phaenicia ibis (see *Lucilia ibis*)

Phaenicia sericata (see *Lucilia sericata*)

Phaenocarpa antipoda, hosts, Calliphoridae 3071

Phalacrotyllini, coprolites, USA 2200

Phanaeus difformis, *Haematobia irritans*, interspecific competition 1468

Phaonia antennicrassa, taxonomy, new species 221

Phaonia aureolimaculata, taxonomy, new species 5691

Phaonia fuscitibia, distribution, China 221

Phaonia mimobitrigona, taxonomy, new species 221

Phaonia nititerga, taxonomy, new species 221

Phaonia punctinerva, taxonomy, new species 2391

Phaonia ryukyuensis, distribution, China 221

Phaonia vittifera, distribution, China 221

Pharmacology, *Calliphora vomitoria*, serotonin, salivary glands 5722

Phasianus colchicus, Mallophaga, Poland 487, 1327

Pheidole megacephala, prey, Triatominae 48

Phellodendron amurense, extracts, *Periplaneta americana* 5472

Phelsuma lineata, *Geckobia*, Madagascar 2003

Phenothrin ((3-phenoxyphenyl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate)
(1*R*)-*cis-trans*-, control, insects 3976
control, *Pediculus capitis* 2906
resistance

Blattella germanica 4137

Culex pipiens, Japan 5152

Culex tritaeniorhynchus, Ryukyu Archipelago 5155

Musca domestica, resistance mechanisms 4219

toxicity, *Blattella germanica* 5476

with malathion, formulations, stability, carriers 4005

(1*R*)-*cis-trans*-control

Anopheles 954

Culicidae 5567

Diptera 3333

(1*R*)-*cis-trans*-isomer

toxicity, *Ctenocephalides felis* 2208

effects, *Blattella germanica* 4560

Phenthoate (ethyl α -[(dimethoxyphosphinothioyl)thio]benzeneacetate)

Phenthoate cont.

effects

Channa punctatus, acetylcholinesterase 5003

Chlamydomonas reinhardtii, growth 3363

goats, acetylcholinesterase 5004

rats, blood chemistry 5013

toxicity, fishes 5427

[1*R*]-[1 α ,3 α (*E*)]-[5-(Phenylmethyl)-3-furanyl]-methyl-3-[(dihydro-2-oxo-3(2*H*)-thienylidene)methyl]-2,2-dimethylcyclopropanecarboxylate

esters

effects, insects 5957

physicochemical properties 5957

[1*R*]-[1 α ,3 α (*E*)]-[5-(Phenylmethyl)-3-furanyl]-methyl-3-[(dihydro-2-oxo-3(2*H*)-thienylidene)methyl]-2,2-dimethylcyclopropanecarboxylate, effects, *Blattella germanica* 4560

Pherbellia cinerella, forests, France 5256

Pherbellia czernyi, distribution, Czechoslovakia 5758

Pherbellia ditoma, distribution, Korea 1499

Pherbellia koreana

distribution, Korea 1499

taxonomy, new species 1499

Pherbellia nana reticulata, distribution, Korea 1499

Pherbellia pallidicarpa, distribution, Czechoslovakia 5758

Pherbellia stackelbergi, distribution, Poland 593

Pheromermis rubzovi, taxonomy, new species 3969

Pheromermis vernalis, taxonomy, redescription 3969

Pheromermis zaamini, taxonomy, redescription 3969

Pheromones

analytical methods, gas chromatography 2085

arthropods, books 4091

chemistry, synthesis 1255, 1662

chirality, reviews 4982

enantiomers

chemistry, synthesis 3344

gas chromatography 2742

formulations, release 4506

Ixodidae 4291

Metastigmata, reviews 5837

Necrophorus vespilloides 3749

pest control, controlled release 3978

research, reviews 4543

Solenopsis invicta, bioassays 3127

Vespula vulgaris, chemistry, synthesis 3144

aggregation pheromones

Alphitobius diaperinus 3746

Argas persicus 1557

Dermestes maculatus 1102, 1104

alarm pheromones, *Pheidole morrisii* 623

assembly pheromones, *Argas persicus* 3154

brood pheromones, Formicidae 630

oviposition attractant pheromones

Culex quinquefasciatus 1378, 2335, 5587

synthesis 129

Toxorhynchites 988

sex pheromones

Alphitobius diaperinus 3746

analytical methods 2719

Blattella germanica 2875, 5474

chemistry, synthesis 3343

Dermacenter 3164

Dermacenter variabilis 3803

formulations 4006

Glossina morsitans, behaviour 1873

Lutzomyia longipalpis 1020, 3004-3005, 3021

Musca domestica 4706

metabolism 3651

Ornithodoros savignyi 4798

Periplaneta americana 1320

biochemistry 3521

periplanone A 4571

synthesis 24

- Pheromones** *cont.*
 sex pheromones *cont.*
 pest control 3337
 models 1239-1242
Solenopsis invicta 1519
Thaumetopoea pityocampa, inhibitors 4265
Vespa 1940
 trail pheromones
Monomorium pharaonis 1518
Solenopsis 3776
- Phidippus audax**, prey, *Apis mellifera* 698
Philanthus triangulum, toxins, biochemistry, synergism 1935
Philipomyia, distribution, Turkey 2368
Philipomyia aprica, distribution, Belgium 1442
- Philippines**
Aedes 2293
Boettcherisca 1899
Culex javanensis 5154
 Culicidae 5122
Dermacentor steini 1561
 filariasis
 attitudes 779
 epidemiology 3553
 man, pesticides, poisoning 848
Odochilus 5774
Polistes stigma 267
Sarcophaga 5729
Topomyia pseudobarbus 1374
Triatoma rubrofasciata 2191
 Trombiculidae 2004
- Philoceanus robertsi**
 ecology, host parasite relationships 4575
Oceanites oceanicus, South Orkney 4575
- Philodina**, metals, toxicity 4993
Philoliche auricomus, distribution, Saudi Arabia 1444
Philoliche magretti, distribution, Saudi Arabia 1444
- Philonthus**
 pesticides, nontarget effects 4704
 poultry housing, South Africa 601
Philonthus brunneus, prey, *Stomoxys calcitrans* 1456
Philonthus cruentatus, prey, *Haematobia irritans* 1468
Philonthus flavolimbatus, prey, *Haematobia irritans* 1468
Philonthus rectangulus
 prey
Haematobia irritans 1468
Stomoxys calcitrans 1456
- Phlebotominae**
 aspirators 898
 China, reviews 1019
 control 3015
Leishmania
 books 3413
 ecology 3293
 infections 3282
 vectorial capacity 3022
 taxonomy
 identification 3017-3018
 cuticle, hydrocarbons 3014
- Phlebotomus**
 evolution, phylogeny 3631
Leishmania
 Greece 3295
 Kenya 3294
 reviews 2355
Phlebovirus, transmission 746
 taxonomy, revision 3631
- Phlebotomus alexandri**
 animal burrows, USSR 2352
 distribution
 Egypt 5647
 Jordan 182
Leishmania donovani
 China 1019, 2643
 detection, ELISA 2353
Leishmania major, Mongolia 181
 morphology, abnormalities 5650
Rattus rattus, animal burrows, Iraq 4671
 repellents 1432
 taxonomy, morphotaxonomy 5649
- Phlebotomus andrejevi**
 animal burrows, USSR 2352
Leishmania major, Mongolia 181
Rhombomys opimus, Mongolia 181
- Phlebotomus arabicus**
 distribution, Egypt 5647
Leishmania, Yemen Arab Republic 5196
- Phlebotomus argentipes**
Ascogregarina chagasi, infection 1430
Bacillus thuringiensis, toxins, toxicity 1022
 behaviour, swarming 2357
 biochemistry, saliva, enzymes 1855
 DDT, susceptibility, India 558
 dwellings, India 558
 force feeding 3628
 habitats, Thailand 5186
 hosts, India 559, 3025
Leishmania, India 4200
Leishmania donovani, India 558
 man, Sri Lanka 2357
- Phlebotomus ariasi**
Leishmania infantum
 France 1219
 Spain 1853
 morphology, abnormalities 5650
 taxonomy, morphotaxonomy 5649
- Phlebotomus balcanicus**, *Leishmania infantum*, USSR 5197
- Phlebotomus bergeroti**, distribution, Egypt 5647
- Phlebotomus brevis**, *Leishmania infantum*, USSR 5197
- Phlebotomus caucasicus**, animal burrows, USSR 2352
- Phlebotomus chabaudi**
 morphology, abnormalities 5650
 taxonomy, morphotaxonomy 5649
- Phlebotomus chinensis**
 ecology, life cycle 1019
Leishmania donovani, China 1019
- Phlebotomus colabaensis**, biochemistry, saliva, enzymes 1855
- Phlebotomus dubosqi**
 animal burrows, Kenya 5187
 control, impregnated fabrics 1021
 dwellings, Burkina Faso 1021
 ecology, environmental factors 5187
 Rift Valley fever virus, transmission 4199
- Phlebotomus galilaeus**, buildings, Cyprus 3012
- Phlebotomus halepensis**, *Leishmania infantum*, USSR 5197
- Phlebotomus kandelakii**, *Leishmania infantum*, USSR 5197
- Phlebotomus kazeruni**
 distribution
 Egypt 5647
 Jordan 182
- Phlebotomus kiangsuensis**, ecology, life cycle 1019
- Phlebotomus langeroni**
 biology, development 5646
 genetics, biochemical genetics 5188
 hosts
 Egypt 3002
 reproduction 5646
- Phlebotomus longicuspis**, taxonomy, morphotaxonomy 5649
- Phlebotomus longiductus**
 animal burrows, USSR 2352
 ecology, life cycle 1019
Leishmania donovani, China 1019
- Phlebotomus longipes**, *Leishmania aethiopica*, Ethiopia 5198
- Phlebotomus major**
 distribution, Egypt 5647
 dwellings, Yugoslavia 3627
 Italy 5653
 villages, Yugoslavia 3629
- Phlebotomus major major**, habitats, Thailand 5186
- Phlebotomus martini**
 animal burrows, Kenya 5187
 ecology, environmental factors 5187
- Phlebotomus mascitii**, taxonomy, morphotaxonomy 5649
- Phlebotomus mongolensis**
 animal burrows, USSR 2352
- Phlebotomus mongolensis** *cont.*
 ecology, life cycle 1019
Leishmania major, Mongolia 181
- Phlebotomus orientalis**
 distribution, Egypt 5647
Leishmania, Yemen Arab Republic 5195-5196
- Phlebotomus papatasi**
 animal burrows, USSR 2352
Ascogregarina chagasi, infection 1430
 attractants 3001
Bacillus thuringiensis, toxins, toxicity 1022
 biochemistry
 enzymes, assays 5456
 saliva, enzymes 1855
 biology, oviposition 2356
 buildings, Cyprus 3012
 DDT
 metabolism 3023
 resistance, India 558
 distribution
 Egypt 5647
 Jordan 182
 DNA, sequences 3020
 dwellings
 India 558, 4200
 Italy 5654
 Yugoslavia 3627
 force feeding 3628
 genetics, biochemical genetics 5188
 hosts
 Egypt 3002
 India 559
Leishmania, Tunisia 4672
Leishmania major
 detection, DNA probes 3016
 infections 3624
 Morocco 2351
 susceptibility 5200-5201
 Tunisia 1854
Leishmania minor, infection 3628
 morphology, abnormalities 5650
 permethrin, toxicity 5655
Rattus rattus, animal burrows, Iraq 4671
 taxonomy, morphotaxonomy 5649
 villages, Yugoslavia 3629
- Phlebotomus pedifer**, *Leishmania aethiopica*, Ethiopia 5198
- Phlebotomus perfliewi**
 animal housing, Italy 3013
 behaviour, activity 3629
 breeding places, Italy 3011
 control, nets, impregnated fabrics 3013
 dwellings, Yugoslavia 3627
 Italy 5653
Leishmania, Tunisia 4672
 Toscana virus, Italy 5652
 villages, Yugoslavia 3629
- Phlebotomus perfliewi perfliewi**, behaviour, sugars, feeding 5643
- Phlebotomus perfliewi transcaucasicus**, *Leishmania infantum*, USSR 5197
- Phlebotomus perniciosus**
Adelina riouxi, Spain 5645
Ascogregarina chagasi, infection 1430
Bacillus thuringiensis, toxins, toxicity 1022
 behaviour, sugars, feeding 5643
 biochemistry, saliva, enzymes 1855
 breeding places, Italy 3011
 force feeding 3628
 Italy 5653
Leishmania infantum, France 1219
 morphology, abnormalities 5650
 permethrin, toxicity 5655
 Spain 1853
 swimming pools, Italy 3626
 taxonomy, morphotaxonomy 5649
 Toscana virus
 Italy 5652
 transovarial transmission 3006
- Phlebotomus rodhaini**
 animal burrows, Kenya 5187
 distribution, Congo 3024
 ecology, environmental factors 5187
- Phlebotomus rossi**, *Leishmania*, Namibia 2354
- Phlebotomus saevus**, *Leishmania*, Yemen Arab Republic 5195-5196

Phlebotomus sergenti

animal burrows, USSR 2352

buildings, Cyprus 3012

distribution, Egypt 5647

Leishmania

Tunisia 4672

Yemen Arab Republic 5195-5196

Leishmania tropica, Saudi Arabia 4674

morphology, abnormalities 5650

Rattus rattus, animal burrows, Iraq 4671

Spain 1853

taxonomy, morphotaxonomy 5649

villages, Yugoslavia 3629

Phlebotomus sichuanensis

ecology, life cycle 1019

Leishmania donovani, China 1019**Phlebotomus simica**, villages, Yugoslavia 3629**Phlebotomus smirnovi**

animal burrows, USSR 2352

Leishmania donovani, China 1019**Leishmania infantum**, China 4676**Phlebotomus stantoni**, habitats, Thailand 5186**Phlebotomus teshi**, habitats, Thailand 5186**Phlebotomus tobbi**

buildings, Cyprus 3012

villages, Yugoslavia 3629

Phlebotomus turanicus, animal burrows, USSR 2352**Phlebovirus**

epidemiology, reviews 746

taxonomy, classification 2603

Pholcus phalangioides, dwellings, German Democratic Republic 2435**Phoneutria nigriventer**

toxins, reviews 5342

venoms, effects, sodium channels 5880

Phoniomyia, hosts, Brazil 5603**Phoniomyia pilicauda**, phytotelmata, Venezuela 5592**Phonognatha graeffei**, man, bites, Australia 3219**Phorate** (*O,O*-diethyl *S*-[(ethylthio)methyl]phosphorodithioate)

degradation, water 2804

effects, buffaloes, rumen flora 4511

metabolism, mice 4038

poisoning, domestic animals 2784

residues, contamination, protective clothing 805

toxicity, fowls 827

Phoridae, hosts, Formicidae, parasitism 3138**Phormia regina**

biochemistry, feeding behaviour, biogenic amines 3678

carrion, USA 5734

cattle, control, polyfluoro 1,3-diketones 3357

cell lines, *Trypanosoma*, infections 2632-2633

control, USA 4224

fungi, diets, nutrition 1911

immunohistochemistry, legs, sense organs, development 4717

insecticides, bioassays 4722

man, myiasis 1479

physiology

feeding 1898

feeding behaviour 3679

juvenile hormones, biosynthesis 1897

nutrition 5244

taste, receptors 1904

precocene II, effects, reproduction 1908

taxonomy, larvae 3063

Tolypocladium cylindrosporum, pathogenicity 1652**Phormia terraenovae**

biochemistry

antibacterial peptides 5235, 5237

dipterin A 1906

physiology

chemoreceptors, taste 1890

development, moulting hormones 1895

moulting hormones, gonotrophic cycles 1903

taste, receptors 1901

Phormia terraenovae cont.

plant extracts, effects 227

taxonomy, morphotaxonomy, eggs 1067

upland areas, UK 2394

Phosalone (*S*-[(6-chloro-2-oxo-3(2*H*)-benzoxazolyl)methyl] *O,O*-diethylphosphorodithioate)effects, *Chlamydomonas reinhardtii* 2093

toxicity, fishes 5427

Phosmet (*S*-[(1,3-dihydro-1,3-dioxo-2*H*-isoindol-2-yl)methyl] *O,O*-dimethylphosphorodithioate)

control

Ixodidae 652, 4298

Sarcoptes scabiei 4842

effects, rats, reproduction 4035

poisoning

man 1276

USA 1690

Phosphamide (see Dimethoate)**Phosphamidon** (2-chloro-3-(diethylamino)-1-methyl-3-oxo-1-propenyl dimethylphosphate)

mutagenicity, man 844

teratogenesis, mice 1267

toxicity, fishes 5427

Phosphine

control, Ixodidae 1137

effects, blood proteins 5974

exposure, man, India 3373

mutagenicity

Drosophila melanogaster 4991*Neurospora sitophila* 4992**Phoxim** (4-ethoxy-7-phenyl-3,5-dioxa-6-aza-4-phosphaoct-6-ene-8-nitrile 4-sulfide)analogues, effects, *Musca domestica*, acetylcholinesterase 4710

control

Choriopotes bovis 1608

ectoparasites 2543

Sarcoptes scabiei 3847

effects, pigs 2543

residues, livestock 5012

resistance, *Culex quinquefasciatus* 2973toxicity, *Cheyletus malaccensis* 1153**Phragmites australis**, *Hybomitra*, oviposition 1040**Phrigocephalus carcellesi**, taxonomy, redescription 3872**Phrynosoma cornutum**, *Pogonomyrmex maricopa*, venoms, toxicity 1517**Phthalophos** (see Phosmet)**Phthiracaridae**

taxonomy

catalogues 316

keys 316

Phthiraptera

buffaloes, Thailand 376

control, insecticides 3178

insecticidal plants, South Africa 4977

livestock, India 3178

Phthiridium biarticulatum, Chiroptera, USSR 5765**Phumosa abdominalis**, forests, Indonesia 5246**Phumosa elegans**, taxonomy, new species 5246**Phumosa indica**

distribution, Bangladesh 5730

forests, Indonesia 5246

Phumosa njonja, taxonomy, new species 5246**Phumosa testacea**, distribution, Bangladesh 5730**Phumosa viridis**, taxonomy, new species 1071**Phyllodrepa salicis**, *Sciurus vulgaris*, nests, UK 605**Phyllostomus discolor**, *Periglischrus*, Brazil 3188**Physa**, predators 3712**Physa vernalis**, predators, predation 5091**Physella hendersoni**, predators, *Dictya floridensis* 3077**Physiology***Acheta domesticus*

excretion 3457

metabolism, stress 3147

Physiology cont.**Acheta domesticus cont.**

neuroendocrine system, reproduction 5041

Aedes aegypti

Malpighian tubules, electrophysiology 5148

moulting hormones, sexual dimorphism 5149

oviposition, behaviour 1835

reproduction 1798, 1834

Aedes trivittatus, immune system 4168**Amblyomma**, salivary glands, degeneration 1959**Amblyomma americanum**, salivary glands, development 1961**Anopheles gambiae**, immune system 2233, 2342**Anopheles quadrimaculatus**, immune system 2237**Arachnida**, respiration 4855-4857**arthropods**

behaviour, arthropod hormones 2848

haematophagy 464

immune system 3478

vision 3402

Blattaria, corpora cardiaca, antidiuretic factors 1737**Blattella germanica**

immune system 915, 1739

neuroendocrine system 5469

reproduction 2890

gonotrophic cycles 1743

Boettcherisca peregrina, immune system 1900**Calliphora**, cold resistance 4236**Calliphora vicina**

circadian rhythm, photoperiod 5238

flight 1477

muscles, electrophysiology 3676-3677

nervous system 1072

vision 1079, 1478, 3062, 3672-3674, 4720, 5243

Ceratophyllus idius, cold resistance 1778

chemoreception, research, history 3467

Coleoptera

flight 3093

vision, pigments 3092

Culex nigripalpus, carbohydrates, flight 948**Culex pipiens**, nutrition 4640**Culicidae**, feeding 103**Culiseta inornata**, feeding, sugars 1800**Diptera punctata**

moulting 480

neuroendocrine system 1732

nutrition 1744

ovarian development, juvenile hormones 5057

Diptera

flight 2143

aerodynamics 3475

photoreceptors, synapses 2381

vision 5248, 5726

Glossina

immune system 2374

vision 1875

Glossina morsitans

chemoreception 2373

immune system 1446

neuroendocrine system 1869

Glossina palpalis, feeding 1864**Haemaphysalis longicornis**

digestion 5283

excretion 1973

insects

cold resistance 3480

cuticle 456

flight 2127, 2141

heart 457

immune system 1707, 2870, 3237, 3476

leucokinins 3458

locomotion, statistical analysis 913

metabolism 4120

muscles 2847

nervous system 2130, 3463, 5040

neuroendocrine system 4, 6

Physiology *cont.*
insects *cont.*

- neurophysiology 3460
- behaviour 3464
- neurotransmitters, receptors 2134
- olfaction 4542
- ovaries, microtubules 885
- proctolin 2139
- respiration 2137, 3469
- thermoregulation 3479
- vision 3465, 4541
- water relations 2169
- invertebrates
- nervous system 4539-4540
- neuroendocrine system 2140
- neurophysiology 4104
- Latrodectus hesperus*, cuticle, permeability 5879
- Lethocerus*, muscles 2128-2129
- Lucilia cuprina*
- feeding 1896
- vision 1073, 5239
- Lucilia sericata*, flight 3675
- Metastigmata, immune system 1983
- Musca autumnalis*, circadian rhythm, melatonin 572
- Musca domestica*
- flight, vision 4712
- nervous system 2385
- osmoregulation, larvae 3649
- vision 3647, 3657, 4707
- water relations 1458
- Neobellieria bullata*, vitellogenesis 1902
- Notonecta glauca*, vision 4589
- Orthochirus scrobiculosus*, thermoregulation 5884
- Parasarcophaga crassipalpis*, diapause, protein synthesis 4719
- Periplaneta americana*
- anoxia, electrophysiology 3508
- behaviour 906, 914
- cuticle, water relations 1742, 3511, 3513
- electrophysiology 3509
- flight 3514
- hearing, auditory threshold 2179
- immune system 1735, 4129
- locomotion 912, 3503
- mechanoreceptors 4569
- moulting, prothoracic gland 4126
- nervous system 477, 2873, 4555
- repair 22-23, 3515
- neuroendocrine system, fat body 5068
- neuromuscular system 481, 3529, 4565
- neurons
- electrophysiology 3507
- glutamates, receptors 3506
- octopamine, neurohaemal organ 3510
- taste 1736
- vision 3504
- Phormia regina*
- feeding 1898
- feeding behaviour 3679
- juvenile hormones, biosynthesis 1897
- taste, receptors 1904
- Phormia terraenovae*
- chemoreceptors, taste 1890
- development, moulting hormones 1895
- moulting hormones, gonotrophic cycles 1903
- taste, receptors 1901
- Rhodnius prolixus*
- digestion 494, 1771, 4145
- electrophysiology, neurosecretory cells 1770
- feeding 495
- serotonin 1772
- neurohaemal organs, serotonin 5085
- prothoracicotrophic hormone, development 1773
- Rhyarobia maderae*
- circadian rhythm 2871-2872
- immune system 3526
- Solenopsis*, muscle degeneration 1118

Physiology *cont.*

- Stomoxys calcitrans*
- feeding 217
- haemolymph 3060
- muscles, ovaries 4698
- nutrition, reproduction 1883
- Supella longipalpa*
- behaviour, corpora allata 3517
- juvenile hormones, biosynthesis 3518
- Tabanus nigrovittatus*, chemoreceptors, electrophysiology 3041
- Thermobia domestica*, respiration 4781
- Triatominae
- digestion 2911
- neuroendocrine system 2914, 2920
- Vespa orientalis*
- cuticle 4764
- sounds, larvae 1114
- Phytosarcophaga**, taxonomy, nomenclature 2396
- Phytosarcophagina**, taxonomy, nomenclature 2396
- Picola virus**, taxonomy, serotaxonomy 4888
- Picus viridis*, *Ornithomya avicularia*, Norway 4738
- Pierretia calicifera*, distribution, Nepal 4231
- Pierretia litsingeri*, taxonomy, nomenclature 5729
- Pierretia portschinskayana*, taxonomy, nomenclature 5731
- Pierretia situliformis*, taxonomy, nomenclature 1064
- Piezosimulium*, taxonomy, new genus 1033
- Piezosimulium jeanninae*, taxonomy, new species 1033
- Pig faeces**
- invertebrates, ivermectin, toxicity 5437
- Musca domestica*, Peru 5708
- Pig housing**
- Anopheles*, India 2981
- Diptera, control 220
- Lutzomyia*, Brazil 3010
- Musca domestica*
- Hungary 2380
- Poland 2383
- UK 1471
- Muscidae, German Democratic Republic 2387
- Triatoma sordida*, Brazil 5505
- Pigeons** (*Columba livia*)
- Culicidae, Brazil 5603
- ectoparasites
- control 2571
- Spain 5459
- Yugoslavia 4574, 4578, 5082
- Mallophaga
- Poland 1754
- Spain 5485
- Mesonyssus melloi*, Canary Islands 5854
- pesticides, poisoning 2784
- St. Louis encephalitis virus, USA 1186
- Pigs** (*Sus scrofa domestica*)
- Anopheles*
- Benin 5630
- Papua New Guinea 1811
- Arthropoda, liveweight gain 1759
- arboviruses, India 347
- carbamates, residues, analytical methods 5027
- Cochliomyia hominivorax*, myiasis 4728
- Culex*, Burma 4163
- Culicidae
- China 5559
- Japan 3571
- Dermacentor steini*, South East Asia 1561
- ectoparasites
- control, pesticides 2717
- German Federal Republic 2543
- Spain 5459
- effects, naled 1335
- Glossina*, Liberia 4687
- Haematopinus suis*, skin diseases 1335
- organochlorine pesticides
- residues 2808
- Poland 5023
- Ornithodoros erraticus*, Spain 4806

Pigs *cont.*

- Ornithodoros moubata*, Malawi 647
- pesticides, poisoning 2784
- Phlebotominae, India 559
- phoxim
- effects 2543
- residues 5012
- Ross River virus, New Caledonia 3240
- Sarcoptes scabiei*
- Belgium 4360
- Bulgaria 3847
- Finland 3846
- hypersensitivity 5869
- immune response 1603
- skin diseases 687, 1599, 1606-1607, 2539, 2545, 3849-3850, 3852, 4838, 4840-4842, 4844, 5337
- Taenia hydatigena*, infection 3075
- Trypanosoma congolense*, Congo 1051
- vesicular stomatitis virus, USA 5190
- Pilopoprella quadrispina*, mites 4313
- Pimephales promelas*, hexachlorobenzene, uptake 2760
- Piona*, Cladocera, predator prey relationships 4819
- Piophila casei*
- human faeces, Pakistan 2424
- taxonomy, larvae 3063
- Pipistrellus kuhlii*, Nycteribiidae, USSR 5765
- Pipistrellus nathusii*, ectoparasites, German Democratic Republic 304
- Pipistrellus pipistrellus*
- ectoparasites, German Democratic Republic 304
- Ischnopsyllus octactenus*, UK 5100
- Pipistrellus savii*, *Spinturnix nobletti*, Europe 4318
- Pipunculidae**, Palaearctic Region, catalogues 2824
- Pirata piraticus*, rice fields, USA 2023
- Pirata sedentarius*, prey, *Culex pipiens*, predation 1836
- Pirates ephippiger*, man, bites 3305
- Pirimicarb** (2-(dimethylamino)-5,6-dimethyl-4-pyrimidinyl dimethylcarbamate)
- effects, cholinesterases 426
- fumigants, safety 846
- Pirimiphos-methyl** (O-[2-(diethylamino)-6-methyl-4-pyrimidinyl] O,O-dimethyl phosphorothioate)
- control
- Anopheles sinensis* 1806
- Dermatophagoides* 1162
- effects
- ducks, blood cells 2776
- rats, esterases 3372
- exposure, man, China 3377
- resistance, *Culex quinquefasciatus* 2973
- susceptibility, *Anopheles gambiae* 5623
- toxicity
- Blattella germanica* 5476
- Paramecium caudatum* 2762
- Pistia stratiotes**
- aquatic insects, Nigeria 5044
- control, biological control 3578
- Mansonia*
- oviposition 2947
- USA 3596
- Mansonia annulifera*, India 5110
- Pithecellobium dulce*, extracts, *Periplaneta americana* 407
- Pitruquenia coypus*
- control, acaricides 5860
- nutria, Yugoslavia 5860
- Pituophis melanoleucus sayi*, parasites, USA 671
- Pitymys majori*, ectoparasites, USSR 4290
- Pitymys subterraneus*
- Ixodidae, Czechoslovakia 1569
- Psorergates polonicus*, Poland 680
- Siphonaptera, Czechoslovakia 66
- Plagiorchis noblei**
- hosts
- Aedes aegypti*
- infection 4652
- infectivity 2266
- Planorbis*, predators 3712

Plasmodium

- biology, reviews 4453
- books 1695
- control 4460, 5172
 - Africa 1647
 - economics 4198
- epidemiology
 - immunological techniques 4454
 - reviews 4456
- genetics, infections 2646
- man
 - attitudes, India 3579
 - China 1415
 - conferences 4522
 - diagnosis 4939
 - Europe 4452
 - Malawi 517
 - reviews 1220
 - travel medicine 4457
- research, reports 2638
- vectors
 - Anopheles*
 - Burundi 4170
 - Cape Verde 5158
 - China 1412
 - Congo 513
 - control 149-150, 2241, 4651
 - detection, monoclonal antibodies 2631
 - geographical distribution 4650
 - immunodiagnosis 4461
 - Kenya 5631
 - Libya 5582
 - Netherlands 1789
 - research 5388
 - Thailand 5150
 - transmission 1811, 4648-4649
 - models 2239
 - vaccines 4459
 - vectorial capacity 1416
 - West Africa 4169
 - zooprophylaxis 987
 - Anopheles darlingi*, Brazil 1421, 3287
 - Anopheles gambiae*, Congo 2334
 - Anopheles kunmingensis*, China 2941
 - Anopheles minimus*, India 543
 - Anopheles sacharovi*, Turkey 3554
 - Anopheles stephensi*
 - India 546
 - infections 1790
 - Culicidae
 - airports, Europe 3612
 - control 2965
 - refractoriness 976

Plasmodium agamae, vectors, *Culicoides nubeculosus*, development 3927-3928

Plasmodium berghei

vectors

- Anopheles*, infections, chloroquine 3551
- Anopheles farauti*, infectivity, immunization 4187
- Anopheles freeborni*, infections 2232
- Anopheles quadrimaculatus*, susceptibility 4634
- Anopheles stephensi*
 - detection 1361
 - development, antimalarials 5169
 - infection 1008, 1401
 - infections 4647, 5159-5160
 - mefloquine 3552
- Culicidae, infectivity 2240

Plasmodium brasilianum, vectors, *Anopheles darlingi*, Brazil 4653

Plasmodium cynomolgi

vectors

- Anopheles*, immunity 2336
- Anopheles gambiae*, infections 2233, 2342
- Anopheles stephensi*
 - infection 2234
 - infections 2218
 - transmission, artemisinin 1221

Plasmodium cynomolgi bastianelli, vectors, *Anopheles stephensi*, infectivity 2988

Plasmodium falciparum

control

- India 174
- Mayotte 2989

man

- India 1365
- Nepal 136
- reviews 4937

vectors

Anopheles

- assays, ELISA 5171
- Benin 5630
- Burkina Faso 2215, 3601, 4938, 5619-5620
- China 4192, 4656
- circumsporozoite antibodies 2957
- Comoros 5634
- detection, ELISA 4645
- effects, survival 5118
- Egypt 5128
- immunity 2336
- India 935, 3611, 5168
- infection 2230
- infections, chloroquine 3551
- infectivity 2246, 2991
- Kenya 5125, 5141
- Madagascar 2642
- Mayotte 5605
- Papua New Guinea 2228
- Sri Lanka 5170
- transmission 512, 1792

Anopheles culicifacies, Sri Lanka 2238

Anopheles darlingi

- Brazil 4653
- French Guiana 515

Anopheles dirus

- India 999
- Thailand 4662-4663

Anopheles freeborni, antigens, immunity 2217

Anopheles gambiae

- Burkina Faso 1793
- detection, assays 5624
- infection 522

Anopheles lesteri, China 1413, 2220

Anopheles neivai, Colombia 3580

Anopheles punctulatus, transmission 1004

Anopheles stephensi

- detection 1361
- identification, DNA probes 2225
- infection, immunoglobulins 5162
- infections 2216, 4647
- antibodies 2227
- infectivity 5588
- vaccines 1423
- Culicidae, infectivity 2240

Plasmodium floridense, vectors, *Culex erraticus*, infections 2236

Plasmodium gallinaceum

vectors

Aedes aegypti

- antigens, immunity 2217
- infection 1008
- infections 2219
- transmission 4638

Aedes albopictus, development, antimalarials 4655

Culicidae, infectivity 2240

Plasmodium inui

vectors

- Anopheles*, detection, ELISA 2993
- Anopheles dirus*
 - infectivity 4661
 - transmission 2229

Plasmodium knowlesi, vectors, *Anopheles*, immunity 2336

Plasmodium malariae

vectors

Anopheles

- Burkina Faso 2215, 3601
- India 5168
- infection 2230, 5173
- Anopheles darlingi*, Brazil 4653
- Anopheles freeborni*, infectivity 521
- Anopheles punctulatus*, transmission 1004

Plasmodium ovale

vectors

- Anopheles*, Burkina Faso 2215
- Anopheles punctulatus*, transmission 1004

Plasmodium relictum, vectors, Culicidae, vector competence 2964

Plasmodium vivax

epidemiology, models, transmission 1850

man, Nepal 136

vectors

Anopheles

- assays, ELISA 5171
- Chile 2242
- Egypt 5128
- India 935, 3611, 5168
- infection 2230
- infectivity 2223, 2991
- Madagascar 2642
- Papua New Guinea 2228
- Sri Lanka 5170
- vector competence 5174
- Anopheles darlingi*, French Guiana 515
- Anopheles dirus*, Thailand 4662
- Anopheles hermsi*, USA 5161
- Anopheles minimus*, susceptibility 2222
- Anopheles neivai*, Colombia 3580
- Anopheles punctulatus*, transmission 1004
- Anopheles tessellatus*, transmission, antibodies 2226

Plasmodium yoelii

vectors

- Aedes aegypti*, transmission 1648
- Anopheles stephensi*, pathogenicity 511

Culicidae, infection 160

Plasmodium yoelii nigeriensis

vectors

- Anopheles*, infection 5157
- Anopheles omorii*, transmission 5151
- Anopheles stephensi*
 - infection 984
 - primaquine 1222
 - infections 3610
 - transmission 520

Platichthys flesus, *Lepeophtheirus europaeus*, Mediterranean Sea 3874

Platyseius major, *Crociodura leucodon*, Poland 1993

Platystethus americanus, prey, *Stomoxys calcitrans* 1456

Plecoptera

- DDT, residues, USA 5016
- methoxychlor, effects, invertebrate drift 5434
- permethrin, effects 2105

Plecotus auritus

ectoparasites

- German Democratic Republic 304
- Poland 678

Plecotus austriacus, ectoparasites, Poland 678

Plecotus mexicanus, ectoparasites, Mexico 5323

Pleidae

- marshes, Canada 55
- taxonomy, keys, British Isles 56

Pleistophora simulii (see *Polydispyrenia simulii*)

Pleochaetis exilis, *Sigmodon hispidus*, USA 41

Pleurogenoides orientalis, intermediate hosts, *Tramea limbata*, infection 637

Pleurophorus caesus, rabbit droppings, Spain 3097

Pneumonyssoides caninum

- control, acaricides 1582
- dogs, Canada 1582

Pneumonyssus caninum (see *Pneumonyssoides caninum*)

Pneumophaginae, taxonomy, new subfamily 3195

Pneumophagus, taxonomy, new genus 3195

Pneumophagus bubonis

- Bubo virginianus*, USA 3195
- taxonomy, new species 3195

- Podiceps grisegena**, *Pseudomenopon pilosum* 3530
- Podothrombium spinosum**, *Microtus arvalis*, Poland 679
- Poecilia reticulata**
- Argulus siamensis*, India 5890
- control
- Anopheles* 2294, 5605
- Anopheles arabiensis* 1837
- Culex* 5531
- Culicidae 5633
- prey, *Mesocyclops leuckarti*, predation 2567
- Poecilochirus coimbatorensis**
- hosts, *Catharsius pithecius*, India 4822
- taxonomy, new species 4822
- Poecilochirus davydovae**, *Clethrionomys glareolus*, Poland 673
- Poecilochirus monospinosus**, poultry droppings, USA 4322
- Poecilochirus necrophori**, *Necrophorus quadripunctatus*, phoresy 5853
- Poecilometopa spilogaster**, ecology, diapause, life history 3689
- Poecilotheria fasciata**, man, bites 1175
- Pogonomyrmex**, genetics, karyotypes 627
- Pogonomyrmex badius**, behaviour, foraging, fires 3130
- Pogonomyrmex californicus**, behaviour, foraging, spatial distribution 2458
- Pogonomyrmex maricopa**
- venoms
- Phrynosoma*, detoxification 1517
- toxicity, reptiles 1517
- Pogonomyrmex montanus**, behaviour, foraging 1950
- Pogonomyrmex occidentalis**
- ecology
- habitats 4779
- survival 276
- Pogonomyrmex rugosus**
- behaviour, foraging 1950
- biology, energy metabolism 3779
- Pogonomyrmex salinarius**, mites 3835
- Pogonomyrmex subnitidus**, behaviour, foraging 1950
- Poisoning**
- horses
- cantharidin 4754
- Epicauta* 2433
- Poland**
- Acari, entomogenous fungi 2705
- Anoplura 1759
- Apodemus*, ectoparasites 1997
- aquatic invertebrates 1305
- Argas* 2481
- Blattella germanica* 1318
- Chironomidae 3084
- Chorioptes bovis* 1169, 1608
- Crocidura leucodon*, ectoparasites 1993
- Crocidura suaveolens*, ectoparasites 2188
- Culicoides 555
- Demodex bovis* 1588
- Dermacentor reticulatus* 1555
- Diptera 1460, 1465
- ectoparasites 1353
- entomophilic nematodes 3330
- Forcipomyia velox* 1425
- freshwater fishes, parasites 4870
- Gasterophilus intestinalis* 1488
- Hirundinidae, ectoparasites 1351
- hosts, ectoparasites 1995
- house dust mites 1594-1595
- Hydrotaea* 1461
- Ixodes ricinus* 1963
- Ixodidae 1559-1560
- Lacerta*, ectoparasites 1994
- Laelapidae 5316
- Lipoptena fortisetosa* 3088
- Mallophaga 487, 1327, 1754
- mammals, ectoparasites 1524
- Megabothris walkeri* 4150
- Melophagus ovinus* 2417
- Metastigmata 1570
- Muridae, ectoparasites 679
- Musca domestica* 2383
- Muscidae 1467
- Myocoptidae 696
- Neomys*, ectoparasites 2547
- Oeciacus hirundinis* 1340
- Poland cont.**
- Ornithonyssus bacoti* 1580
- pigs, pesticide residues 5023
- Psorergates polonicus* 680
- Pthirus pubis* 1760
- Raillietia auris* 1579
- Riparia riparia*, ectoparasites 2207
- rodents, ectoparasites 1590
- Sarcoptes scabiei* 1604
- Sciomyzidae 593
- Sciurus vulgaris*, ectoparasites 681
- Siphonaptera 1350, 4151
- small mammals, ectoparasites 673
- Sorex*, ectoparasites 2467
- Sorex alpinus*, ectoparasites 1523
- Spermophilus suslicus*, ectoparasites 1996
- Sternostoma tracheacolum* 2019
- Tarsonemoides noxius* 1587
- Trichocercus widawaensis* 697
- Vespertilionidae, ectoparasites 678
- Vespidae 613
- wild animals, ectoparasites 1314
- zoological gardens, insect pests 1466
- Polecats (*Mustela putorius*)**
- ectoparasites, Romania 1598, 1777
- mange, control 1167
- Polietes albolineata**, cattle, Italy 5717
- Poliomyelitis virus**, *Aedes albopictus*, cell lines, infection 548
- Polistes**
- behaviour, nesting 3771
- man
- hypersensitivity 262, 1108, 2456, 4270
- treatment 2658, 4942
- ontogeny, development, reviews 2453
- venoms, allergens, cross reactivity 4281
- Polistes annularis**
- behaviour
- nesting 4765
- social behaviour 621
- nests, design 270
- venoms
- biochemistry 1113
- toxicity, insects 1113
- Polistes bellicosus**, behaviour, social behaviour 621
- Polistes bernardii**, taxonomy, nomenclature 267
- Polistes carolinus**, behaviour, social behaviour 621
- Polistes comis**, taxonomy, nomenclature 267
- Polistes dorsalis**, behaviour, foraging 2452
- Polistes dubius**, taxonomy, nomenclature 267
- Polistes exclamans**
- behaviour
- nesting 4762
- social behaviour 621
- ecology, population ecology 269
- Polistes fuscatus**
- behaviour
- foraging 2452
- nesting 2451
- social behaviour 621
- Polistes maculipennis**, taxonomy, nomenclature 267
- Polistes manillensis**, taxonomy, nomenclature 267
- Polistes metricus**
- behaviour
- foraging 2452
- social behaviour 621
- Polistes multipictus**, taxonomy, nomenclature 267
- Polistes novarae**, taxonomy, nomenclature 267
- Polistes perplexus**, ontogeny, polygyny 616
- Polistes richtersi**, taxonomy, nomenclature 267
- Polistes stigma**, taxonomy, subspecies 267
- Polistes townsvillensis**, taxonomy, nomenclature 267
- Pollachius virens**, *Caligus curtus*, Canada 1179
- Polleniopsis khasiensis**, taxonomy, nomenclature 5730
- Polydispyrenia simulii**, hosts, Simuliidae, Argentina 1027
- Polyfluoro 1,3-diketones**
- chemistry, structure activity relationships 3357
- control, ectoparasites 3357
- Polygonum senegalense**, aquatic insects, Nigeria 5044
- Polymorphus minutus**, intermediate hosts, *Gammarus pulex*, effects, behaviour 2569
- Polynoncus argentinus**, taxonomy, redescription 4264
- Polynoncus bifurcatus**, taxonomy, redescription 4264
- Polynoncus burmeisteri**, taxonomy, new species 4264
- Polynoncus furcifer**, taxonomy, new species 4264
- Polynoncus furcillifer**, taxonomy, new species 4264
- Polynoncus mirabilis**, taxonomy, new species 4264
- Polynoncus parafurcatus**, taxonomy, new species 4264
- Polynoncus parafurcatus occidentalis**, taxonomy, new subspecies 4264
- Polynoncus patriciae**, taxonomy, new species 4264
- Polypedium**
- phoresy, *Zygonyx iris* 3085
- wetlands, USA 1709
- Polypedium arundinetum**, lakes, Japan 1089
- Polypedium asakawaense**, water quality, biological indicators 5261
- Polypedium cultellatum**, pesticides, nontarget effects 826
- Polypedium japonicum**, water quality, biological indicators 5261
- Polypedium masudai**, lakes, Japan 1089
- Polypedium nubifer**
- copper, effects, reproduction 1094
- ecology 4246
- herbicides, toxicity 825
- lakes, Japan 1089
- Polypedium pedatum**, tree holes, USA 11
- Polypedium pedestre**, water quality, biological indicators 5261
- Polypedium ureshinoense**, sewage effluent, Japan 245
- Polyphaga aegyptiaca**, biochemistry, cor-pora cardiaca, peptides 33
- Polyphagidae**, checklists, North America 918
- Polyplax hannswrangeli**, small mammals, Czechoslovakia 5863
- Polyplax reclinata**
- Crocidura leucodon*, Poland 1993
- Crocidura suaveolens*, Poland 2188
- Polyplax serrata**
- Eperythrozoon coccoides*, transmission 2907
- mice 2907
- rodents
- Spain 5488
- USSR 4290
- small mammals, Czechoslovakia 5863
- taxonomy, morphotaxonomy 5488
- Polyplax spinulosa**
- Muridae, India 665
- Mustela erminea hibernica*, Irish Republic 922
- Polyrhachis schistacea**, biochemistry, defensive secretions 274
- Polystyrene beads**
- control
- Anopheles* 2294
- Culex quinquefasciatus* 4967
- Culicidae 545, 2311
- Pomacea maculata**, *Ozmana haemophila*, Brazil 337
- Pomacentrus amboiensis**, *Peniculus bellwoodi*, Atlantic Ocean 3872
- Pomphorhynchus laevis**, intermediate hosts, *Gammarus pulex*, cadmium, toxicity 4875
- Ponds**, Culicidae, USA 2265
- Porect** (see Phosmet)
- Poroccephalus crotali**
- Agkistrodon piscivorus*, USA 3881
- Crotalus atrox*, host parasite relationships 343

***Porocephalus crotali* cont.**

- mice, immune response 4878
- ultrastructure
- cuticle 4878
- glands 343

Porohalacarus*, freshwater fishes, USSR 311*Porphyric insecticides, chemistry 1251*****Porthesia*, man, skin diseases 3305****Portugal**

- African swine fever virus, epidemiology 3820

Ixodidae 3186***Ornithodoros erraticus* 3823****pesticides, poisoning 5433****Tabanidae 5673-5680, 5682, 5684*****Potamochoerus porcus*, *Glossina fuscipes*, Uganda 567*****Potamogeton pectinatus*, *Anopheles freeborni*, survivorship 2301*****Potassium permanganate*, control, Copepoda 1623****Poultry**

- ectoparasites, skin diseases 2654

Musca domestica* 216*Poultry droppings**

- Alphitobius diaperinus*, environmental factors, dispersal 3748

Chrysomya*, diets 1069*Diptera, development 1454*****Macrocheles muscaedomesticae*, USA 5223*****Poecilochirus monospinosus*, USA 4322****Poultry housing*****Alphitobius diaperinus***

- construction, damage 3748

damage 248**German Federal Republic 603****USA 247*****Anopheles*, India 2981*****Cimex lectularius*, USSR 1775****Coleoptera****control 1105****South Africa 601****Diptera****China 5269****USA 4704, 5698****Hymenoptera, USA 1505****insect pests, control 3977*****Lutzomyia*, Brazil 3010*****Megaselia abdita*, UK 238*****Musca domestica*****Brazil 1452****control 2390, 3057, 3648****Hungary 2380****manure management 1457****USA 4697, 5699*****Palemus dermestoides*, Sweden 1103****parasitoids, India 3759****Phlebotominae, Thailand 5186*****Sphodrus leucophthalmus*, German Federal Republic 1929*****Triatoma sordida*, Brazil 5505****Pour-on formulations****cattle*****Amblyomma* 5842*****Boophilus microplus* 1578, 2491****flumethrin 643*****Dermatobia hominis* 2410*****Glossina palpalis* 1871*****Haematobia irritans* 212****Ixodidae 4298****Muscidae 213-214, 359, 2379****permethrin 965*****Psoroptes ovis* 3211****deer, *Haemaphysalis longicornis* 2492****goats, Phthiraptera 920****horses, Phthiraptera, pyrethroids 485****pigs****ectoparasites 2543*****Sarcoptes scabiei* 4842****poultry, ectoparasites 1149****sheep****Calliphoridae 3696*****Dermacentor marginatus* 2490****ectoparasites 3533*****Lucilia sericata* 3696*****Melophagus ovinus* 2425*****Povilla*, insects as food, man, Uganda 471****Powassan virus**

- epidemiology, reviews 747

mammals, USA 349**vectors, Ixodidae, transmission 5810****Poxviridae, vectors, Muscidae, mechanical transmission 2392****Pramex (see Permethrin)****Precocene I, effects, *Culex quinquefasciatus* 2327****Precocene II****effects*****Blattella germanica*, corpora allata 3516*****Phormia regina*, reproduction 1908****genotoxicity, *Drosophila melanogaster* 1668****pharmacokinetics, *Ornithodoros parkeri* 1982****Predatory birds, Mallophaga, control, insecticides 4143*****Priapichthys annectens*, prey, *Culex*, predation 5573****Primates, *Glossina fuscipes*, Uganda 567****Primin****derivatives****chemistry, synthesis 2733****toxicity, invertebrates 2733*****Pristhesancus plagipennis*, man, bites 3305*****Probopyrus pandalicola*, *Palaemonetes******pugio*, chemoreception 4865*****Procladius*, mites 1494*****Procladius choreus*, *Salmo trutta*, predation 3489*****Procladius crassinervis*, biochemistry, electrolytes 5766*****Procladius paludicola*, water pollution, mouthparts, abnormalities 3081*****Proctolaelaps*, entomogenous fungi 2705****Proctolin****analogues****chemistry, synthesis 2737****effects, insects, neuromuscular system 2737*****Proctophylloides*, birds, USA 4850*****Procyon lotor*****ectoparasites, USA 5317****Ixodidae, USA 1573, 1981****Simuliidae, USA 2359*****Prodiamesa levanidovae*, biochemistry, electrolytes 5766*****Prodiamesa olivacea*, *Salmo trutta*, predation 3489*****Profenofos* (O-(4-bromo-2-chlorophenyl) O-ethyl S-propyl phosphorothioate)****cytotoxicity, man 2781*****Progne subis*, *Ceratophyllus idius*, USA 1778*****Promacyl*, degradation, stabilisation 1660*****Propachlor*, toxicity, *Chironomus riparius* 3090*****Propaphos* (4-(methylthio)phenyl dipropyl phosphate)****metabolism, arthropods 5951*****Propargite* (2-[4-(1,1-dimethylethyl)phenoxy]cyclohexyl 2-propynyl sulfite)****poisoning, man, USA 1278*****Propetamphos* ((E)-1-methylethyl 3-[(ethylamino)methoxyphosphinothioyl]oxy]-2-butenolate)****control*****Blattella germanica* 25, 4564*****Boophilus microplus* 3822*****Lucilia cuprina* 5744*****Musca domestica* 4218*****Psoroptes ovis* 5336****residues****sheep****decay 3396****New Zealand 4079****resistance, *Culex pipiens*, Japan 5152****toxicity*****Ctenocephalides felis* 1343, 3548****Metastigmata 5799*****Propoxur* (2-(1-methylethoxy)phenyl methylcarbamate)****control*****Ctenocephalides canis* 3545*****Ctenocephalides felis* 3549*****Dermacentor variabilis* 5300****Ixodidae 3813*****Spilopsyllus cuniculi* 2203****Propoxur cont.****effects*****Blattella germanica*****feeding behaviour 2180****photosensitivity 478****dogs 4031****exposure, man, USA 1274****poisoning, man, USA 1690****repellency, *Blattella germanica*, formulations 2177****repellents, *Blattella germanica*, effects, dispersal 5063****resistance*****Anopheles*, Sri Lanka 2945*****Blattella germanica* 4137****resistance mechanisms 3528*****Culex pipiens*, Japan 5152*****Culex quinquefasciatus* 2973****resistance mechanisms 5593*****Culex tritaeniorhynchus*, Ryukyu****Archipelago 5155****sulphenyl dicarbamate derivatives, toxicity, *Musca domestica*, mode of action 1670****susceptibility*****Anopheles gambiae* 5623****Culicidae, Comoros 5632****toxicity*****Blattella* 5071*****Blattella germanica* 1318, 5476*****Ctenocephalides felis* 1343, 3548*****Culex quinquefasciatus*, sublethal effects 2261****3-N-Propylphenol, attractants, *Glossina pallidipes* 569*****Prosimulium*****behaviour, dispersal, streams 3487****distribution, USA 1436****ecology, acidification, effects 1307*****Prosimulium fuscum*****ecology, larvae, habitats 3634****hosts, USA 2359****sampling 2359*****Prosimulium hirtipes*, behaviour, oviposition 3028*****Prosimulium kiotoense*, distribution, Japan 1026, 5662*****Prosimulium magnum*****hosts, USA 2359****sampling 2359*****Prosimulium mixtum*****behaviour, feeding behaviour 186-187****ecology****larvae, habitats 3634****nutrition 188****entomophilic nematodes, infection 5658****hosts, USA 2359****sampling 2359****streams, Canada 5658*****Prosimulium multicaulis*, rivers, USSR 2363*****Prosimulium subrufipes*, behaviour, oviposition 3028*****Prosimulium tomosvaryi*****behaviour****feeding behaviour 189****oviposition 3028****control, microbial pesticides 1437****ecology, nutrition 192****streams, Czechoslovakia 1437****Prostigmata****mammals, Poland 1524****small mammals****Czechoslovakia 286****site classification 285****Proteus*****Periplaneta americana*, Ghana 2880****Silphidae, isolation 1502*****Proteus mirabilis*, vectors, Formicidae, Trinidad and Tobago 5791*****Prothiofos* (O-(2,4-dichlorophenyl) O-ethyl S-propyl phosphorodithioate)****resistance, *Culex pipiens*, Japan 5152*****Protocalliphora*, natural enemies 4233*****Protocalliphora asiovora*, *Parus*, USA 4233*****Protocalliphora azurea*****birds, Japan 3691*****Passer rutilans*, Japan 4235****taxonomy, larvae 4235**

- Protophormia braueri*, *Troglodytes aedon*, USA 4228
- Protophormia maruyamensis* birds, Japan 3691
- Parus major*, Japan 4235
- taxonomy, larvae 4235
- Protophormia sialia*, *Parus*, USA 4233
- Protophormia grandis*, radio tracking, feeding behaviour 4783
- Protophormia lucida* distribution, Senegal 2398
- taxonomy, synonyms 2398
- Protophormia plebeia*, distribution, Australia 2398
- Protophormia atrophyracis* *Sorex bendirii*, USA 1591
- taxonomy, new species 1591
- Protophormia onoi*, *Sorex alpinus*, Poland 1523
- Protophormia oregonensis* *Sorex vagrans*, North America 1591
- taxonomy, new species 1591
- Protophormia quasionei* *Sorex trowbridgii*, USA 1591
- taxonomy, new species 1591
- Protophormia terraenovae* (see *Phormia terraenovae*)
- Protophormia dixonii*, hosts, *Drymaplaneta variegata*, host parasite relationships 473
- Protophormia*, Silphidae, isolation 1502
- Protophormia modularis*, *Hirstionyssus sunica*, Poland 1995
- Protophormia*, evolution, phylogeny 1755
- Protophormia silenus* biology, development 5753
- goats, myiasis 5754
- Protophormia zernyi*, distribution, Poland 593
- Protophormia cambridgei*, man, bites 1175
- Protophormia tertius* blood-meals, identification 52
- dwelling, Brazil 5503
- Protophormia obesus*, *Leishmania major*, Tunisia 1854
- Protophormia barbimanus*, behaviour, mating behaviour 3717
- Protophormia spadix*, buildings, Netherlands 317
- Protophormia*, caves, Venezuela 3101
- Protophormia maxima*, *Lepeophtheirus thompsoni*, Mediterranean Sea 3874
- Protophormia thompsoni*, taxonomy, new genus 2396
- Protophormia crawfordi*, intermediate hosts, Tenebrionidae, China 5268
- Protophormia georgianus*, *Eubrachiella gaini*, Antarctic Ocean 2047
- Protophormia prasinatus*, mites 1494
- Protophormia brannickii*, genetics, cytogenetics 242
- Protophormia canariensis*, *Haemoproteus columbae*, Egypt 2635
- Protophormia pilosum* *Fulica americana*, Canada 3530
- Protophormia fulicaeae*, infection 3530
- Protophormia* *Periplaneta americana*, Ghana 2880
- vectors, Formicidae, Trinidad and Tobago 5791
- Protophormia aeruginosa* oviposition attractants, *Aedes aegypti* 5147
- parathion, effects, growth 2761
- Protophormia cepacia*, *Coproica hirtula*, contamination 5761
- Protophormia fluorescens*, hosts, *Aedes aegypti*, pathogenicity 1844
- Protophormia*, urban areas, Italy 4858
- Protophormia columella* predators
- Dictya floridensis* 3077
- predation 5091
- Protophormia stellatus*, fishes, Caspian Sea 2561
- Protophormia almae* hosts, USSR 1859
- taxonomy, new species 1859
- Psocoptera** herbaria, control 2170
- Psocoptera** cont. medical entomology, Australia 3937
- Psoregates muricola*, *Mus musculus*, Poland 1590
- Psoregates ovis* (see *Psorobia ovis*)
- Psoregates polonicus* *Pitymys subterraneus*, Poland 680
- taxonomy, new species 680
- Psorobia ovis* control, acaricides 313, 4326
- sheep, skin diseases 313, 4326
- Psorophora** *Amblyospora connecticus*, pathogenicity 2313
- behaviour, larvae, locomotion 2257
- California serogroup viruses, transmission 729
- rice fields, reviews 4601
- vesicular stomatitis virus, transmission 5610
- Psorophora albipes*, distribution, Surinam 72
- Psorophora ciliata* entomophilic nematodes 973
- man, USA 963
- Psorophora columbiae* control
- growth regulators 961
- microbial pesticides 2267, 4626
- date gardens, USA 961
- ecology
- nutrition, size 2253
- population dynamics, models 80-81
- man, USA 963
- marking 4612
- pigments 135
- monitoring, traps 5541
- rice fields, USA 80-81, 934, 2249, 2267, 2278, 4626, 5541
- simulation models, control 934
- surveillance, remote sensing 2249, 2278
- Psoroptes** cattle, Italy 1912
- control, ultraviolet radiation 1170
- Psoroptes bovis* (see *P. ovis*)
- Psoroptes communis* (see *P. equi*)
- Psoroptes cuniculi* biochemistry, proteins 5747
- control, acaricides 690, 1609, 3857, 5339
- livestock, ectoparasitoses, epidemiology 4848
- rabbits
- immune response 692
- skin diseases 689-690, 1609, 3857, 5339, 5874
- Thailand 3212
- Psoroptes equi* buffaloes, skin diseases 3856
- control, acaricides 3856
- fur-bearing animals, Romania 1598
- Psoroptes natalensis*, buffaloes, India 2544
- Psoroptes ovis* cattle
- control 3845
- skin diseases 2546, 3211, 5338, 5876
- immunosuppression 2016
- control, acaricides 2507, 2546, 3211, 5336, 5873, 5877
- livestock
- immune response 692
- skin diseases 5873
- sheep
- Northern Ireland 5336
- skin diseases 691, 693, 5875, 5877
- South Africa 2507
- Psychoda alternata* biology, development 5770
- rabbit housing, control 4223
- Psychodidae**, *Tolypocladium cylindrosporum*, pathogenicity 1652
- Psychodinae**, taxonomy, new species 1496
- Psychodini**, taxonomy, new genus 2415
- Psychoglyphus chiliensis* Siphonaptera, phoresy 4363
- taxonomy, new species 4363
- Ptelea trifoliata*, extracts, *Periplaneta americana* 5472
- Pteracarus chalinolobus*, distribution, USA 3815
- Pteracarus elegans*, *Plecotus mexicanus*, Mexico 5323
- Pterella triseriata*, distribution, Gambia 2398
- Pterinophilus** man, bites 1175
- toxins, reviews 5342
- Pteromalidae**, cattle dung, China 5718
- Pthirus pubis* man
- Cameroon 5493
- eye diseases 1333
- Poland 1760
- sexually transmitted diseases 3938
- skin diseases 39, 489, 1329
- Ptilonorhynchus violaceus*, *Myrsidea ptilonorhynchii*, Australia 4573
- Ptomascopus morio*, carrion, Japan 600
- Public health** vectors
- control 4495, 5145
- Congo 1047
- India 2294
- Puerto Rico** *Aedes aegypti* 532, 5546
- Boophilus microplus* 4294
- Lyme disease, epidemiology 3248
- Puffinus puffinus*, *Naubates harrisoni*, UK 4576
- Pulex irritans** archaeology, Greenland 5056
- dogs, Afghanistan 1955
- genetics, cytogenetics 61
- Pulex simulans** endosymbionts, biology 2201
- entomopathogenic protozoa 4596
- Pulicidae**, taxonomy, morphotaxonomy 2206
- Pungitius pungitius*, *Argulus canadensis*, Canada 3869
- Punta Toro virus**, taxonomy, molecular genetics 2603
- Puntius melanamyx*, prey, Culicidae, India 539
- Puntius sarana*, prey, Culicidae, India 539
- Pycnoscelus indicus*, distribution, Norfolk Island 3500
- Pycnoscelus surinamensis*, dwellings, USA 1319
- Pyemotes*, man, ectoparasitoses 3497
- Pyemotes tritici*, reproduction, fecundity 4826
- Pygiopsyllidae**, taxonomy, morphotaxonomy 2206
- Pygmephorus erlangensis*, *Crocidura leucodon*, Poland 1993
- Pygmephorus stammeri* *Sorex alpinus*, Poland 1523
- Spermophilus suslicus*, Poland 1996
- Pyrethroids** (see *Pyrethrins*)
- Pyrethroids** (*O*-[1-(4-chlorophenyl)-1H-pyrazol-4-yl] *O*-ethyl *S*-propyl phosphorothioate) mode of action 3997
- Pyrethroids**, mode of action, *Periplaneta americana* 3355
- Pyrethroids**, mode of action, insects 4987
- Pyrethrins** control
- Culicoides variipennis* 4665
- Glossina pallidipes* 1448
- Mallophaga 4143
- Muscidae 4216
- Pediculus capitis* 38, 42, 2189, 2904, 5486
- Wohlfahrtia magnifica* 3061
- effects
- γ -aminobutyric acid, receptors 4041
- benzodiazepine, receptors 4042
- Blattella germanica*, photosensitivity 478
- nervous system 4043
- esters
- knockdown, *Musca domestica* 5715
- structure activity relationships 5715
- repellents, vectors 4497
- resistance
- Blattella germanica* 4137
- Diptera, USA 5698
- Musca domestica* 1471

Pyrethrins cont.

resistance cont.

Musca domestica cont.German Democratic Republic
5700

stability, storage 4978

structure activity relationships, *Musca domestica* 1887

toxicity

Ctenocephalides felis 1343

Culicidae, formulations 5562

Leptotrombidium deliense 308**Pyrethroids**

chemistry

chirality 2740-2741

photochemistry 1252

structure activity relationships 3993

synthesis 2739, 3991, 4503, 4505

effects

arthropods, nervous system 5956

mice, nervous system 1683

esters, structure activity relationships
5956knockdown, *Musca domestica*, struc-
ture activity relationships 4013

product development 406

resistance, pests 5428

toxicity

arthropods 2759

insects

mode of action 4011

structure activity relationships
2739

structure activity relationships 4003

Pyrethrum (see Pyrethrins)**Pyriproxyfen** (2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine)

control

Anopheles farauti 5153*Blattella germanica* 5079*Culex* 86, 4625*Culex quinquefasciatus* 1378

Culicidae 961

effects, *Glossina morsitans*, reproduc-
tion 4210

efficacy, Culicidae 955

formulations 4210

Pyroglyphidaecontrol, environmental management
323

dwellings, Japan 323

man, allergies, books 3401

taxonomy, keys 3401

Pyroglyphus, taxonomy, nomenclature

3401

Pyrrhula pyrrhula, *Hirstionyssus soricis*,

Poland 1995

Pythium flevoense

hosts

Aedes sierrensis 1396

pathogenicity 3589

Q fever (see also *Coxiella burnetii*)**Quadriceps**, *Himantopus mexicanus*, USA
484**Quadriceps fimbriatus**, *Steganopus tri-*
color, USA 2186**Quadrasetta brasiliensis**

mammals, Brazil 3193

taxonomy, new species 3193

Quaranfil virus, vectors, *Argas arboreus*,
transmission 5297**Quarantine***Aedes albopictus*, Australia 5135

cattle, ectoparasites 1912

Chrysomya bezziana 4234**Quedius**, evolution, phylogeny 1503**Quercus kelloggii**, insects, USA 11**Quercus lobata**, insects, USA 11**Quercus wislizenii**, insects, USA 11**Quinalphos** (*O,O*-diethyl *O*-2-quinoxalinyloxyphosphorothioate)

algae, bioassays 4020

effects

carp 5963

Chlamydomonas reinhardtii,

growth 3363

Tilapia mossambica, reproduction
4034

mutagenicity, man 844

photolysis 851

toxicity, fishes 5427

Rabbit droppings

dung beetles, Spain 3097

Typhaeus typhoeus, Netherlands 3095,
4113**Rabbit housing**, Diptera, control 4223**Rabbits**

Acari, skin diseases 5874

Anopheles freeborni, USA 3558*Anopheles sacharovi*, blood-meals,
fecundity 1805*Cimex lectularius*, bites, papillomas
3543

Culicidae, Sweden 4188

Dermacentor variabilis, effects, repro-
duction 2508

ectoparasites

Romania 1598

skin diseases 689

Spain 5459

Thailand 3212

Hyalomma anatolicum 5803-5804*Ixodes ricinus*, immune response,
cyclosporin A 1145

Ixodidae

bites, pathology 3799

histopathology 1556, 4800

resistance 1527, 1530

mange, control 1167

Metastigmata, IgG 1536

myxoma virus, UK 3547

Notoedres cati, skin diseases 4359*Psoroptes cuniculi*

immune response 692

skin diseases 690, 1609, 3857, 5339

resistance, *Rhipicephalus appendicu-*
latus, salivary glands 4303*Rhipicephalus*, immune response 3818*Rhipicephalus appendiculatus*, immu-
nization 3160, 5287*Rhipicephalus eversti*, immune
response 4809-4810*Rhipicephalus haemaphysaloides*,
immune response 5800*Rhipicephalus sanguineus*, immune
response 5798*Sarcoptes scabiei*, skin diseases 1605,
3851*Taenia pisiformis*, infection 3075**Rabbium paradoxus**, hosts, *Camponotus*
castaneus 1654**Radfordia affinis**, *Eperythrozoon coc-*
coides, transmission 2907**Radfordia ensifera**

control, acaricides 677

laboratory animals, Turkey 677

Raillietia auris, cattle, Poland 1579**Raillietia**, *Hemidactylus mabouia*,
Tanzania 3880**Rainbow**, toxicity, *Argas persicus* 2512**Rainbow trout**, Copepoda, Baltic Sea 1623**Rana temporaria***Bacillus thuringiensis*, toxins, effects,
development 2780

Culicidae, Sweden 4188

cypermethrin, toxicity 4049

Rana tigrina

aldrin, toxicity 4022

pesticides, effects, enzymes 2778

Ranatra chinensis, distribution, USSR
2198**Ranatra linearis**

behaviour, spatial distribution 57

distribution, USSR 2198

Ranatra montezuma, ecology, oviposition
1776**Ranatra unicolor**, distribution, USSR 2198**Ranatra vicina**, prey, *Culex pipiens*, preda-
tion 4160**Ranguna smithiana**, *Paragonimus*, Thai-
land 4876**Rasahus**, prey, Triatominae 48**Rasbora daniconius**, prey, Culicidae, India
539**Rats**

Acari, Turkey 677

Borrelia burgdorferi

arthritis, disease models 1640

pathogenesis 4426

Culicidae, Brazil 5603

Ixodes ricinus, feeding 5288

Ixodidae, bites, pathology 3799

Rats cont.*Myobia musculi*, ectoparasitoses 1151*Phlebotomus*, Egypt 3002*Xenopsylla cheopis*, bites, immune
response 2928**Rattus argentiventer**, *Hoplopleura pacifica*,
Indonesia 4582**Rattus blanfordi** (see *Cremnomys*
blanfordi)**Rattus exulans***Hoplopleura pacifica*, Indonesia 4582Trombiculidae, Papua New Guinea
4817**Rattus gestroi**, Trombiculidae, Papua New
Guinea 4817**Rattus hoffmanni***Hoplopleura sembeli*, Indonesia 4582

Trombiculidae, Indonesia 4325

Rattus melta (see *Millardia melta*)**Rattus niobe**, Trombiculidae, Papua New
Guinea 4817**Rattus nitidus**, *Leptotrombidium jishoum*,
China 5857**Rattus norvegicus**

ectoparasites, India 665

Ixodes, USSR 1984*Leptotrombidium jishoum*, China 5857*Rickettsia*, Egypt 2619

Siphonaptera

Czechoslovakia 66

plague 1291

Poland 1350

Spain 5519

Trombiculidae, USSR 2005

Xenopsylla cheopis, India 2205*Yersinia pestis*, USSR 3253**Rattus rattus**animal burrows, Phlebotominae, Iraq
4671*Ornithonyssus bacoti*, Korea Republic
4320*Rickettsia*, Egypt 2619

Siphonaptera

plague 1291

Spain 5519

Trombiculidae, Philippines 2004

Xenopsylla cheopis

India 2205

Korea Republic 4152

Rattus xanthurus, Trombiculidae, Indone-
sia 4325**Rearing techniques**

Acari 3494

Aedes 5616*Aedes aegypti* 1381

diets 5130

Aedes albopictus 139*Aedes caspius*, algorithms 900*Amblyomma* 5840*Anopheles* 1839, 5551*Anopheles freeborni* 2256*Anopheles omorii* 956*Anopheles stephensi* 2323*Apodemus sylvaticus* 894*Aprostocetus hagenowii*, mass produc-
tion 5076

aquatic invertebrates 5462

Blattaria 28

Chrysomya, diets 1069*Culex* 170, 5561*Culex tarsalis* 945, 1833*Culicoides variipennis* 2347*Dictya floridensis* 3077

Diptera, protein sources 3715

Dugesia tigrina 960*Euproctis chrysorrhoea* 4479*Euroglyphus maynei* 3842*Gambusia affinis* 176*Glossina morsitans* 5690*Glossina pallidipes* 2376*Glossina palpalis* 4686*Haematobia irritans*, diets 4703

Histeridae 4262

Hydrotaea irritans 211*Hypoderma* 4237

insectaries, cages 3495

Ixodes 1987

Ixodidae 3819

Lucilia cuprina 1480*Onthophagus gazella* 5263-5264*Phlebotomus papatasi* 2356

Rearing techniques cont.

- Pyroglyphidae 1593
Rhipicephalus appendiculatus 1143
Rhodnius prolixus 1337
 Simuliidae 5665
Simulium damnosum, eggs, storage 1034
Solenopsis invicta, diets 3141
Stomoxys calcitrans 575
Toxorhynchites minimus 5570
Toxorhynchites splendens 95
 Triatominae 2909, 3540
Rechostica chalcodes, physiology, vision 4365
Rechostica hentzi, toxins, reviews 5342
Redunca redunca, ectoparasites, Kenya 1990
Reduviidae
 morphology, antennae, trichobothria 4146
 taxonomy, types, Finland 5083
Reduvius, prey, Triatominae 48
Reesa vespulae, dwellings, German Federal Republic 1929
Refuse, Drosophilidae, Africa 3078
Refuse tips
 Diptera, Poland 1465
Musca domestica, Peru 5708
Reindeer (*Rangifer tarandus*)
 arboviruses, USSR 1010
 Diptera, USSR 2248
 ectoparasites, control 2074
Hypoderma tarandi
 Greenland 4734
 myiasis, immune response 2411
 USSR 3704
Relapsing fevers (see also *Borrelia* spp.)
Remote sensing
 entomology, reviews 3496
 vectors 2862
Reoviridae, taxonomy 4888
Reovirus, *Aedes albopictus*, cell lines, infection 548
Reports
 India, Indian Council of Medical Research 5451
 Kenya, International Centre of Insect Physiology and Ecology 2837-2838
 Madagascar, Institut Pasteur de Madagascar 5450
 WHO, Tropical Disease Research 2638-2641, 2713
Reproduction
Aedes, sexual isolation 985
Anopheles albimanus, gonotrophic cycles 944
Anopheles pharoensis, ovarian development 4627
Anopheles sinensis, photoperiod, effects 1419
 arthropods, mating 2854
 Blattaria, ovoviviparity 3522
Chrysomya, ovarian development 1069
Chrysomya megacephala, ovarian development 5737
Chrysomya putoria
 diet 5736
 oogenesis 5741
 Culicidae
 autogeny, models 5117
 ovarian development 1840
Deinocerites cancer, autogeny 2319
Dermacentor variabilis, vitellogenesis 1535
Dermanyssus gallinae 1581
 Diptera, polyteny, mitosis 2124
Drosophila, oogenesis 4534
Drosophila melanogaster, oogenesis, development 4529
Glossina pallidipes, ovarian development 5216
Hyalomma arabica, vitellogenesis 3182
Hybomitra lasiophthalma, gonotrophic cycles 3402
 insects, conferences 4112
Iridomyrmex humilis, polygyny 1946
Lucilia cuprina, mating 5740
Macrocheles muscaedomesticae, sperm competition 306
Mansonia dyari, fecundity 4630

Reproduction cont.

- Muscidifurax*, thelytoky 261
Necrophorus vespilloides, mating 249
Ornithodoros moubata, ovarian development 1970
Otobius megnini, fecundity 5303
Panstrongylus megistus, ovarian development 5498
Periplaneta americana, gonotrophic cycles, corpora allata 5070
Pyemotes tritici, fecundity 4826
Rhipicephalus pusillus, fecundity 4788
Rhodnius prolixus
 fecundity, neuroendocrine system 2925
 oviposition, circadian rhythm 1769
Simulium, autogeny 1435
Simulium cureohirtum, autogeny 1029
Solenopsis, genetics 2460
Solenopsis invicta
 oviposition 625
 spermatozoa, fertilization 631
Spalangia cameroni, sex ratio 2443
Supella longipalpa, nutrition 4562
 Tabanidae, autogeny 2366
 Triatominae, reviews 2915
Reptiles
Glossina, Liberia 4687
 parasites 3933
 Phlebotominae, India 559
Resmethrin ([5-(phenylmethyl)-3-furanyl]methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropane-carboxylate)
 control
Aedes albopictus 2268, 5544
Anopheles quadrimaculatus 2307
 Culicidae 117
Solenopsis invicta 2461
 effects
 γ -aminobutyric acid, receptors 4041
 benzodiazepine, receptors 4042
 nervous system 4043
 mutagenicity, bacteria 4014
 pesticide mixtures, control, *Culex* 953
 resistance
Culex tritaeniorhynchus, Ryukyu Archipelago 5155
Musca domestica, resistance mechanisms 4219, 5702
 structure activity relationships, *Musca domestica* 1887
 susceptibility
Aedes albopictus 84
 USA 2263
 toxicity
Ctenocephalides felis 1343, 2208
Culex quinquefasciatus, sublethal effects 2261
 (1*R*-cis)- (see Cismethrin)
 (1*R*-trans)- (see Bioresmethrin)
Respiratory diseases
 Acari, man 3785
 Aphididae, man 925
 arthropods, man 5396
 Blattaria, man, treatment 4134
 Chironomidae, man 5259
 Chironomus, man 1098
 Chironomus plumosus, man 2423
Dermatophagoides
 dogs, reviews 2009
 man
 treatment 2533
 Zambia 3844
Dermatophagoides farinae
 guinea pigs 4338
 man 4343, 5864
Dermatophagoides pteronyssinus, man 322, 3303, 4352
 house dust mites, man 4339, 5328
Periplaneta americana, man 4130
Sternostoma tracheacolum, aviary birds 2019
 storage mites, man 321, 1158, 4342, 4832
Restaurants, *Blattella germanica*, Taiwan 5476
Reticulipeurus mesopelios colchicus
 morphometrics, nymphs 487
Phasianus colchicus, Poland 487, 1327

Reviews

- airport malaria 4452
Amblyomma, ecology 5797
 arboviruses
 economic importance 715
 epidemiology, Czechoslovakia 1634
 geographical distribution 716
 arthropod hormones, mode of action 2848
Babesia, vector control 4791
 birds, arboviruses 714
Borrelia burgdorferi, man 4891
 brain, physiology 3463
 building construction, arthropod pests, control 4496
 Culicidae
 arboviruses, vector competence 530
 diapause 531
 hepatitis B virus, transmission 5111
 rice fields 4601
Dermatophagoides, control, acaricides 3200
 equine infectious anaemia virus, epidemiology 1632
 house dust mites, ecology 3203
 insect bites, man, Australia 3937
 insect repellents, vector control 4497
 insecticide resistance
 evolution, resistance management 2721
 resistance management 3985
 vectors 5945
 insects
 allergens 3306
 carbon dioxide 3469
 cytochrome P-450, monooxygenases 4120
 digestion 5035
 latrines, control 4967
 searching behaviour 5042
 thermoregulation 3479
 Ixodidae
 arboviruses, transmission 1130
 control 4291
 diapause 655
Theileria, transmission 4308
Leishmania, epidemiology 4936
 malaria, environmental management 5172
 man, arthropods, envenomation, treatment 1174
 medical entomology, Australia 3305
 molecular biology, entomology 2851
 morphology, genitalia 3447
 mosquito nets
 impregnated fabrics 4156
 man 171
 research 2292
 organophosphate pesticides, poisoning 840
 pest control 1655
 Phlebotominae
 China 1019
Leishmania, vector competence 2355
Plasmodium, man 1220
 pyrethroids, mode of action 4011
 remote sensing, entomology 3496
Rickettsia, epidemiology 3259
 tickborne diseases, integrated control 638
 vectors
 arboviruses, transmission 718
 haematophagy 464
 pathogens, host parasite relationships 3236
 zoonoses, pets 1181
Rhabditidae, hosts, *Ommatolius moreleti*, parasitism 3233
Rhadinopsylla dahurica, small mammals, China 2210
Rhadinopsylla integella, small mammals, Czechoslovakia 67-68
Rhadinopsylla isacantha, small mammals, Czechoslovakia 67-68
Rhadinopsylla pentacantha, small mammals, Czechoslovakia 66-68
Rhagio, entomophilic nematodes 3969
Rhagio olsuffevi, taxonomy, new species 2369

- Rhagio petrovae*, taxonomy, new species 2369
- Rhagio simushirus*, taxonomy, new species 2369
- Rhagionidae*, mountains, Czechoslovakia 196
- Rhanatus pulverosus*, prey, *Culex pipiens*, predation 4160
- Rhechostica*, toxins, reviews 5342
- Rhechostica seemanni*, venoms, biochemistry 5343
- Rhechosticta saltator*, man, bites 1175
- Rheocricotopus chalybeatus*
pesticides, nontarget effects 826
rivers, Japan 244
- Rheotanytarsus*
Bacillus thuringiensis, effects 2358
phoresy, *Zygonyx iris* 3085
- Rheotanytarsus kyotoensis*
rivers, Japan 244
sewage effluent, Japan 245
- Rhidippus*, man, envenomation, treatment 1612
- Rhinobatos productus*, *Norkus cladocephalus*, Pacific Ocean 339
- Rhinocephalum*, *Aedes*, USSR 161
- Rhinoestrus*
control, insecticides 583, 2404
horses, myiasis 583, 2404
- Rhinoestrus purpureus*, man, myiasis 4732
- Rhinolophus euryale*, Nycteribiidae, USSR 5765
- Rhinolophus ferrumequinum*, Nycteribiidae, USSR 5765
- Rhinolophus rouxii*, Japanese encephalitis virus, India 5355
- Rhinonyssus himantopus*
Himantopus mexicanus, USA 484
Steganopus tricolor, USA 2186
- Rhinopoma hardwickii*, *Hipposiderobia rhinopomatos*, North Africa 3834
- Rhinopomatos cystops*, *Hipposiderobia rhinopomatos*, North Africa 3834
- Rhinotugias ruficauda*, *Odontacarus mahaplagensis*, Philippines 2004
- Rhipicephalus*
cattle, control, acaricides 5801
control
acaricides 3179
reviews 4791
Crimean-Congo haemorrhagic fever virus, transmission 732
distribution, British Isles 4796
livestock, India 3179
rabbits, histopathology 1556
sheep, South Africa 5848
taxonomy, keys, adults, USA 3161
- Rhipicephalus appendiculatus* 4808
antigens
attachment cement 1530
detection, immunoblotting 1144
Babesia bigemina, infectivity 297
biochemistry, eggs, moulting hormones 1958
cattle
Kenya 3793, 4298
liveweight gain 1136
resistance 639, 642, 2496, 5813
skin diseases, immunity, foot and mouth disease 4812
South Africa 290, 4808, 5806
Zambia 1135
cell lines, *Borrelia burgdorferi*, growth 1966
control
acaricides 290, 1136, 3793, 4298
fumigants 1137
Crimean-Congo haemorrhagic fever virus, vector potential 5290
distribution, Tanzania 1976
Dugbe virus
infection 3796
vector competence 3175
ecology
environmental factors 5813
phenology 4304
population ecology 1135
seasonal abundance 5806
genetics, genetic variation 1140
hosts, resistance, salivary glands 4303
ivermectin, sublethal effects 289
- Rhipicephalus appendiculatus* cont.
laboratory animals
immune response 1139
resistance 1530
Nairobi sheep disease virus, transmission 743
pastures, Zambia 4304
rabbits
histopathology 4800
host parasite relationships 657
immune response 3818
immunization 3160, 5287
rearing techniques 1143
Rhipicephalus zambeziensis, hybridization 1140
Rift Valley fever virus, transmission 2489
simulation models, distribution, climate 5313
Theileria parva
Africa 5313
infection 1956
transmission 640, 4804
Thogoto virus, transmission 3811
ultrastructure, Gené's organ 4785
- Rhipicephalus attenuatus*, taxonomy, nomenclature 5820
- Rhipicephalus bursa*
Babesia bigemina, infectivity 297
Babesia ovis, infection 298
biology, development 5826
cattle
Turkey 5310
USSR 648
control, acaricides 648, 5310
distribution, Morocco 1976
ecology, seasonal abundance 4815
habitats, France 4295
livestock
Spain 5825
Turkey 5311
Yugoslavia 3627
Protozoa, Spain 5825
sheep, Israel 4815
- Rhipicephalus camicasi*, hosts, Yemen Arab Republic 1979
- Rhipicephalus evertsi*
Babesia bigemina, infectivity 297
cattle
Kenya 4298
South Africa 290
control, acaricides 290, 4298
laboratory animals, resistance 1530
- Rhipicephalus evertsi evertsi* 4808
cattle, South Africa 4808, 5806
distribution, Tanzania 1976
ecology, seasonal abundance 5806
guinea pigs, resistance 1537
laboratory animals, immune response 1139
rabbits, immune response 4809-4810
- Rhipicephalus evertsi mimeticus*
behaviour, sounds, repellency 1146
biology, environmental factors 291
morphology, eyes 4790
- Rhipicephalus folis*
cattle, South Africa 5806
ecology, seasonal abundance 5806
- Rhipicephalus haemaphysaloides*
dogs, Afghanistan 1955
rabbits, immune response 5800
- Rhipicephalus hurti*, distribution, Mozambique 5816
- Rhipicephalus jeanneli*, taxonomy, synonyms 5820
- Rhipicephalus kochi*, taxonomy, synonyms 5820
- Rhipicephalus lunulatus*
cattle, South Africa 5806
ecology, seasonal abundance 5806
taxonomy, synonyms 5820
- Rhipicephalus masseyi*, taxonomy, synonyms 5820
- Rhipicephalus pravus*, distribution, Kenya 1976
- Rhipicephalus pulchellus*
distribution, Tanzania 1976
laboratory animals, resistance 1530
- Rhipicephalus pumilio*, distribution, Mongolia 4793
- Rhipicephalus pusillus*
ecology, population dynamics 3174
Oryctolagus cuniculus
Italy 1977
Spain 3174
reproduction, fecundity 4788
Vulpes vulpes, Portugal 3186
- Rhipicephalus sanguineus*
Babesia canis, German Federal Republic 3794
cell lines, *Borrelia burgdorferi*, growth 1966
Cercopithifilaria roussilhoni, infections 2472
control, acaricides 5308
distribution, Italy 5852
dogs
Afghanistan 1955
Corsica 5312
France 5308
Switzerland 5927
Dugbe virus, infection 3796
Ehrlichia canis
France 1199
USA 3167
Ehrlichia risticii, transmission 2495
genetics, karyology 3801
habitats, France 4295
hosts, Yemen Arab Republic 1979
laboratory animals, IgG 1536
Lepus capensis, Spain 2468
livestock
India 5799
Turkey 5311
man, USA 3167
Muridae, India 665
propeptamphos, toxicity 5799
rabbits, immune response 5798
Rickettsia, Italy 2060
Rickettsia conorii, Italy 2484
Rickettsiales, transmission 2617
Vulpes vulpes, Portugal 3186
- Rhipicephalus simus*
cattle, South Africa 5806
distribution, Tanzania 1976
ecology, seasonal abundance 5806
- Rhipicephalus teneiroi*, taxonomy, nomenclature 5820
- Rhipicephalus turanicus*
birds, France 1978
cattle, Turkey 5310
control, acaricides 5310
dogs, Afghanistan 1955
ecology, seasonal abundance 5807
habitats, France 4295
hosts
Saudi Arabia 5807
Yemen Arab Republic 1979
livestock, Turkey 5311
rodents, USSR 4290
- Rhipicephalus zambeziensis*
genetics, genetic variation 1140
rabbits
host parasite relationships 657
immune response 3818
- Rhipicephalus appendiculatus*, hybridization 1140
- Rhipicephalus ziemannii*, taxonomy, synonyms 5820
- Rhipiphorus*, hosts, Halictidae 1938
- Rhithropanopeus harrisi*, *Loxothylacus panopei*, pheromones, effects 4867
- Rhizocephala*, morphology 2046
- Rhizophora mangle*, *Aedes taeniorhynchus*, USA 2310
- Rhodnius*
biochemistry, cuticle, chitin 2919
physiology, heart 457
- Rhodnius neglectus*
biology, development 5501
blood-meals, identification 52
dwellings, Brazil 5503
Trypanosoma cruzi
infection 2193
transmission 43
xenodiagnosis 491, 2192
- Rhodnius pallens*
blood-meals, identification 52
Trypanosoma cruzi, Central America 49

- Rhodnius pictipes**
blood-meals, identification 52
Trypanosoma cruzi, Brazil 3541
- Rhodnius prolixus**
anatomy, circulatory system 3537
azadirachtin
 effects, reproduction 5495
 metabolism 3536
Bacillus thuringiensis, toxins, mode of action 490
behaviour, feeding behaviour 5502
biochemistry
 digestion, enzymes 1766
 enzymes, assays 5456
 fat body, protein kinases 1765
 lipid transport 5087
 lipophorin 1768
 Malpighian tubules, c-AMP 5084
 midgut, hydrolases 1764
 moulting hormones, development 2196
 protein synthesis, accessory glands 1767
blood-meals, identification 52
cytology, midgut, DNA 494
entomogenous fungi, pathogenicity 5500
juvenile hormone analogues, effects 1664
physiology
 digestion 494, 1771, 4145
 electrophysiology, neurosecretory cells 1770
 feeding 495
 serotonin 1772
 neuroendocrine system 2914
 neurohaemal organs, serotonin 5085
 prothoracicotropic hormone, development 1773
rearing techniques 1337, 2909
reproduction
 fecundity, neuroendocrine system 2925
 oviposition, circadian rhythm 1769
symbionts 1764
Trypanosoma
 detection, DNA probes 4588
 infections 2195
Trypanosoma cruzi
 azadirachtin, effects 5088
 Central America 49
 infection 2193
 xenodiagnosis 2192
Trypanosoma rangeli, infections 2927, 5090
ultrastructure
 microtubules, ovaries 4583
 midgut 4145
 diets 3535
 feeding 1771
 neuroendocrine system 1770
- Rhodnius robustus**
Palmae, Brazil 3541
Trypanosoma cruzi, Brazil 2193
- Rhombomys opimus**
Phlebotominae, USSR 2352
Phlebotomus andrejevi, Mongolia 181
Xenopsylla, USSR 1781
- Rhopalopsyllidae**, taxonomy, morphotaxonomy 2206
- Rhyncholestes raphanurus**, *Chilamblyopinus piceus*, Chile 1503
- Rhynchophthiraptera**, taxonomy, new order 5480
- Rhyncomyia setipyga**, distribution, Bangladesh 5730
- Rhyncoptes grabberi**
Macaca mulatta, USA 2020
taxonomy, new species 2020
- Rhynonirmus scolopacis**, *Gallinago gallinago*, Italy 3531
- Rhyarobia maderae**
Bacillus cereus, pathogenicity 3525
bacteria, defence mechanisms 3526
biochemistry
 apolipophorin I 1727-1728
 corpora cardiaca, peptides 33
 haemolymph 34
cytochemistry, haemocytes 3523
immunocytochemistry, neurotransmitters 31
- Rhyarobia maderae** cont.
physiology
 circadian rhythm 2871-2872
 corpora cardiaca, antidiuretic factors 1737
 immune system 3526
 leucokinins 3458
 neuroendocrine system 6
- Rhyarbus burckhardtii**, taxonomy, new species 4254
- Rhyarbus kinabalu**, taxonomy, new species 4254
- Rhyarbus minor**, taxonomy, new species 4254
- Rhytidoponera**, man, stings 3305
- Rice**, unimolecular films, effects 2786
- Rice fields**
Aedes taeniorhynchus, USA 2303
Anopheles, Kenya 5141
Anopheles arabiensis, Kenya 5618
Anopheles freeborni, USA 2264
Anopheles quadrimaculatus, USA 2307, 3609
aquatic organisms, predator prey relations 931
Araneae, USA 2023
carbofuran, residues 850, 1284
Chironomus kiliensis, Japan 3714
Culex tarsalis, USA 114
Culicidae
 Burkina Faso 1009
 China 5144
 control 4159
 Guinea 2324
 India 4158
 Korea Republic 4610
 Philippines 5122
 reviews 4601
 USA 18, 113, 116, 123-124, 156, 940, 2267, 4629, 5541
Gambusia affinis
 sampling 1011
 USA 125
 insectivorous fishes, sampling 126
Psorophora columbiae, USA 80-81, 934, 2249, 2278, 4626
- Richardanoetus**, taxonomy, new genus 4313
- Richardanoetus demel**
hosts, Sphaeroceridae 4313
taxonomy, new species 4313
- Richardia**, mites 4313
- Ricinuclei**, Scutacaridae, phoresy 4323
- Rickettsia**
biology
 books 3409-3410
 reviews 3267
epidemiology, USSR 5919
man
 books 4520
 diagnosis 3273
 Japan 5375
- Rickettsia akari**
antigens 3270
research, history 3257
- Rickettsia australis**, man, history 3915
- Rickettsia canada**, antigens 3270
- Rickettsia conorii**
antigens 3270
dogs
 immunodiagnosis 4416
 Italy 2059, 2614
host parasite relationships, immune response 3269
livestock, Italy 4418
man
 Australia 2058
 Canada 1216
 diagnosis 2596
 ELISA 2061
 Egypt 3912
 France 2617
 history 3915
 Israel 3251
 Italy 2615, 4415, 4417, 4436, 4439-4441
 Japan 1642
 pathogenesis 4385
 pathology 3263-3264
 reviews 4435
 South Africa 361, 4443, 5930
- Rickettsia conorii** cont.
man cont.
 Switzerland 5927
 symptoms 2612, 4442
 rodents, Egypt 2619
 vectors
 Ctenocephalides, Italy 1355
 Rhipicephalus sanguineus
 Italy 2060, 2484
 transmission 2617
- Rickettsia-like organisms**, *Glossina*, DNA, cloning 564
- Rickettsia montana**
dogs, USA 1637
man, Japan 5926
- Rickettsia prowazekii**
antigens 3270
 monoclonal antibodies 5917
 DNA, restriction mapping 5918
 epidemiology, reviews 3259
man
 Ethiopia 5924
 history 3915
 pathology 3264
 reviews 4434
 molecular genetics 2621
 research, history 3257
- Rickettsia rhipicephali**, dogs, USA 1637
- Rickettsia rickettsii**
antigens 3270
dogs, eye diseases 1196
epidemiology, reviews 3258
host parasite relationships, immune response 3269
identification, DNA probes 2623
man
 diagnosis 2596, 4918
 history 3915
 pathogenesis 4385-4386
 pathology 3260, 3264
 reviews 4434
 symptoms 1211
 treatment 5286
 USA 3172-3173
research, history 3257
vectors
 Dermacentor variabilis
 control, models 5300
 infection 5293
 transmission, models 5299
- Rickettsia sibirica**
man
 history 3915
 USSR 300
vectors, Ixodidae, transmission 300
- Rickettsia tsutsugamushi**
antigens
 amino acids, sequences 2608
 molecular genetics 2626
 reviews 3271
epidemiology, reviews 3258
host parasite relationships, immune response 3269
man
 antigen antibody reactions 367
 Canada 1216
 history 3915
 pathogenesis 4385
 pathology 3262, 3264
 mice, pathogenesis 2609
 Niviventer, China 4824
 rodents, Japan 312
vectors
 Leptotrombidium, Japan 5325
 Leptotrombidium gaohuense, China 4824
- Rickettsia typhi**
antigens 3270
epidemiology, reviews 3259
host parasite relationships, immune response 3269
man
 Canada 1216
 Egypt 3912
 Ethiopia 5924
 history 3915
 Italy 2613, 4444
 pathogenesis 4385
 pathology 3261, 3264
 research, history 3257
 rodents, Egypt 2619

- Rickettsia typhi** *cont.*
vectors, *Xenopsylla cheopis*, transmission 926
- Rickettsiella phytoseiuli**, *Dermacentor reticulatus*, infection 658
- Rid** (see Pyrethrins)
- Rift Valley fever virus**
cattle, Sudan 5359
characterization, Madagascar 3894
Chiroptera, Guinea 5907
epidemiology, reviews 748, 4390
man
Central African Republic 5906
diagnosis 4393
Mauritania 1631
pathogenesis 4385
Uganda 2050
strains, virology 2597
vectors
Aedes fowleri, vector competence 1813
Hyalomma truncatum, transmission 2489
Phlebotomus duboscqi, transmission 4199
- Rio Bravo virus**, mammals, USA 349
- Riparia riparia**
Ceratophyllus styx, UK 5098
ectoparasites, Poland 2207
Ornithonyssus bursa, Poland 1995
- Rissa brevirostris**, feather mites, Alaska 4849
- Rissa tridactyla**
ectoparasites, France 5823
feather mites, Alaska 4849
- Rivellia quadrifasciata**, carrion, USA 591
- Robineauella kopetdaghica**, taxonomy, nomenclature 5731
- Rochalimaea quintana**, research, history 3257
- Rocio virus**
Aedes albopictus, cell lines, infection 548
epidemiology, reviews 749
man, Brazil 351
- Rocky Mountain spotted fever** (see also *Rickettsia rickettsii*)
- Rodents**
Anopheles, Papua New Guinea 1811
Cestoda, USSR 1522
ectoparasites
Czechoslovakia 5863
USSR 1525
Rohdendorfsca flagellifera, taxonomy, nomenclature 5731
- Romalea guttata**, *Allium canadense*, defensive secretions 3782
- Romania**
Aprostocetus hagenowii 474
Brachymeria 4756
Culicidae 508
Diptera 2214
Formicidae, checklists 1948
furbearing animals, ectoparasites 1598, 1777
Lyme disease, epidemiology 766
Q fever, epidemiology 767
Sphaeroceridae 4740
- Romanomermis**, hosts, *Aedes*, USA 5532
- Romanomermis culicivora**
biochemistry, polyamines 797
control, *Anopheles* 91
hosts, Culicidae, cuticle, penetration 3970
ultrastructure, cuticle 796
- Romanomermis iyengari**, hosts, *Anopheles* 996
- Romanomermis sichuanensis**, hosts, Culicidae, pathogenicity 1418
- Ropalidia anarchica**, taxonomy, larvae 3772
- Ropalidia carinata**, taxonomy, larvae 3772
- Ropalidia flavoviridis**, taxonomy, new species 3772
- Ropalidia formosa**
behaviour, social behaviour 1512
taxonomy, larvae 3772
- Ropalidia grandidieri**, taxonomy, larvae 3772
- Ropalidia ignobilis**, taxonomy, larvae 3772
- Ropalidia plebeiana**, ecology, population ecology 272
- Ropalidia vitripennis**, taxonomy, larvae 3772
- Ropalidia xanthura**, taxonomy, larvae 3772
- Ross River virus**
complement activation 4404
epidemiology, reviews 750
genes, nucleotide sequences, genetic stability 4413
horses, New Caledonia 3240
man, Australia 5847
RNA, nucleotide sequences 4410
vectors
Aedes aegypti, infection 2317
Aedes camptorhynchus, Australia 4603
Aedes normanensis, Australia 1822
- Rostrozetes foveolatus**, *Moniezia expansa*, Argentina 684
- Rotenone**
control
Demodex 1999
Mallophaga 4143
Psorobia ovis 4326
- Rubber plantations**, *Simulium yahense*, Liberia 5207
- Rudnicula agurensis**
Hipposideros calcaratus, Papua New Guinea 4817
taxonomy, new species 4817
- Rudnicula leytensis**, distribution, Philippines 2004
- Russian spring-summer encephalitis virus**
man, USSR 2581-2582, 2586
taxonomy, nomenclature 2585
vectors, *Ixodes persulcatus*, USSR 2482
- Ruta graveolens**, extracts, *Periplaneta americana* 5472
- Rutilus rutilus**
malathion, resistance, resistance mechanisms 4048
parasites, Poland 4870
- Ryukyu Archipelago**
Aedes 985
Aedes riversi 5156
Blattaria 907
Culex tritaeniorhynchus 5155
Musca conducens 5232
Simulium aureohirtum 1029
Siphunculina 5764
Toxorhynchites okinawensis 4643
- S-31183** (see Pyriproxyfen)
- Sabah**
Aedes axitosus 5581
Anopheles 5175
Sarcophagidae 5728
- Sabathes**
behaviour, larvae, locomotion 2257
phytotelmata, Venezuela 5592
- Sabathes chloropterus**, yellow fever virus, Trinidad and Tobago 5113
- Sabathes fernandezyepezi**, taxonomy, nomenclature 5579
- Sabathes quasicyaneus**, distribution, Surinam 72
- Saccostomus campestris**
Dorylus helvolus, predation 5793
Yersinia pestis, South Africa 5376
- Saemundssonina tricolor**, *Steganopus tricolor*, USA 2186
- Sagittaria**, unimolecular films, effects 2786
- St. Kitts-Nevis**, *Babesia*, epidemiology 3824
- St. Louis encephalitis virus**
Aedes albopictus, cell lines, infection 548
birds, USA 349, 1186
Culex pipiens, transmission 719
Culicidae
cell lines, infection 158
USA 107
epidemiology, reviews 751
infections, *Aedes albopictus*, cell lines 5564
man, USA 713
Passer domesticus 102
vectors
Culex, USA 2250, 2297
- St. Louis encephalitis virus** *cont.*
vectors *cont.*
Culex nigripalpus
transmission 101
USA 2935, 2962
Culex quinquefasciatus, sexual transmission 4641
Culex tarsalis, infection 3559, 5127, 5139
Culicidae, detection, enzyme immunoassay 547
- St. Lucia**
Aedes aegypti 5546
scabies, epidemiology 5872
- St. Vincent and Grenadines**, *Aedes aegypti* 5546
- Salganea taiwanensis ryukyuanus**, distribution, Ryukyu Archipelago 907
- Salmincola carpinis**, *Salvelinus alpinus*, Canada 4369
- Salmincola edwardsii**
Salvelinus alpinus, Canada 4369
Salvelinus fontinalis, host-seeking behaviour 5349
- Salmincola extensus**
control, pesticides 1623
marine fishes, Baltic Sea 1623
- Salmo salar**
Caligus elongatus, Atlantic Ocean 3878
mexacarbate, toxicity 423
prey, aquatic insects, predation 3483
- Salmo trutta**
prey
aquatic insects, predation 3483
aquatic invertebrates, predation 3489
- Salmonella**, *Periplaneta americana*, Ghana 2880
- Salt marshes**
Aedes, USA 4635
Aedes cantator, USA 969
Aedes dorsalis, USA 2277, 2279
Aedes taeniorhynchus, USA 5539
Culicidae, Australia 2259
Culicoides
Australia 2349
USA 1013, 3617, 4666
Tabanus, USA 3040
- Salticella fasciata**, forests, France 5256
- Salvelinus alpinus**, parasites, Canada 4369
- Salvelinus fontinalis**
permethrin, effects 2104
Salmincola edwardsii, host-seeking behaviour 5349
- Salvinia molesta**
control, biological control 3578
Mansonia annulifera, India 5110
- Salvinia nymphaeella**, aquatic insects, Nigeria 5044
- Sambonia lohrmanni**, *Varanus dumerilii*, pentastomiasis 3883
- Sampling**
Aedes, eggs 5120
Aedes sierrensis 1372
Aedes togoi, larvae 5134
Amblyomma americanum, regression analysis 1967
Anopheles gambiae 5625
aquatic insects 18
Astigmata, hay 5333
Blattaria 1323
Coquillettia perturbans 2302
Culicidae 1841
tyres 2285
Culicoides variipennis 2346
Dermacentor albipictus, *Alces alces* 3171
Diptera 5638
Glossina, electrocuting grids 3048
Glossina pallidipes 4211-4212
Histeridae 4262
house dust mites 1163
house dust 5332
Hymenoptera 1933
insectivorous fishes
minnow traps 1011
rice fields 126
insects 5053
models 1716
suction traps 2162

- Sampling cont.**
Ixodes dammini 4292
 Ixodidae 659
Ornithodoros erraticus 3823
Sarcoptes scabiei 4838
 Simuliidae 2359
Simulium, substrates 1024, 1028
 Siphonaptera 1785
Stomoxys calcitrans 1470, 4700, 5706
- Sandfly fever (Sicily) virus**, taxonomy, molecular genetics 2603
- Sandfly fever viruses**, epidemiology, reviews 746
- São Tomé and Príncipe, *Aponomma exornatum*** 5812
- São Tomé and Príncipe**, Tabanidae 5683
- Saprinus**, poultry housing, South Africa 601
- Saprinus lugens**, pesticides, nontarget effects 4704
- Saprolegnia ferox**, hosts, *Aedes sierrensis*, pathogenicity 3589
- Sarawak**
Mansonia bonnea 5575
 Sarcophagidae 5728
- Sarcodexia sternodontis**, prey, Triatominae 48
- Sarcodexia sternodontis**, ecology, diapause, life history 3689
- Sarcophaga**
 mountains, Czechoslovakia 228
 Nematoda, Malaysia 3072
 parasitoids 2442
- Sarcophaga afra**, taxonomy, nomenclature 2396
- Sarcophaga aldrichii**, entomogenous fungi 3960
- Sarcophaga altitudinis**, taxonomy, new name 5731
- Sarcophaga aquila**
 distribution, Philippines 5729
 taxonomy, new species 5728
- Sarcophaga baruai**, taxonomy, new species 1064
- Sarcophaga birganjensis**, taxonomy, new name 1064
- Sarcophaga brachiata**, taxonomy, new species 5728
- Sarcophaga brevicornis**
 distribution
 Nepal 1064
 Philippines 5729
 South East Asia 5728
- Sarcophaga bullata** (see *Neobellieria bullata*)
- Sarcophaga calicifera**, distribution, Nepal 1064
- Sarcophaga cinerea**, distribution, Philippines 5729
- Sarcophaga crassipalpis** (see *Parasarcophaga crassipalpis*)
- Sarcophaga curvicerus**, taxonomy, new species 5728
- Sarcophaga doleschallii**, distribution, South East Asia 5728
- Sarcophaga dux**, distribution, Nepal 1064
- Sarcophaga epsilon**, distribution, Philippines 5729
- Sarcophaga falculata** (see *Parasarcophaga argyrostoma*)
- Sarcophaga flagellifera**, taxonomy, new combination 5731
- Sarcophaga fuscicauda** (see *Boettcherisca peregrina*)
- Sarcophaga gorodkovi**, taxonomy, new combination 5731
- Sarcophaga gressitti**, distribution, South East Asia 5728
- Sarcophaga haemorrhoidalis** (see *Bercaea cruentata*)
- Sarcophaga harinasutai**, taxonomy, new combination 5731
- Sarcophaga hirsuta**, taxonomy, new species 5729
- Sarcophaga hirtipes**, distribution, Pakistan 5731
- Sarcophaga inzi**, ecology, diapause, life history 3689
- Sarcophaga javanica**
 distribution, South East Asia 5728
 taxonomy, new combination 5728
- Sarcophaga kentejana**, taxonomy, new combination 5731
- Sarcophaga kopetdaghica**, taxonomy, new combination 5731
- Sarcophaga litsingeri**, taxonomy, new combination 5729
- Sarcophaga longifolia**, distribution, South East Asia 5728
- Sarcophaga lopei**
 distribution, South East Asia 5728
 taxonomy, new combination 5728
- Sarcophaga martellata**, distribution, Nepal 1064
- Sarcophaga mimobrevicornis**, taxonomy, new species 5728
- Sarcophaga montiblensis**, taxonomy, new species 5729
- Sarcophaga nathani**
 distribution, Pakistan 5731
 taxonomy, new combination 1064
- Sarcophaga nepalensis**, taxonomy, new combination 1064
- Sarcophaga notabilis**
 distribution, South East Asia 5728
 taxonomy, new combination 5728
- Sarcophaga pattoni**
 distribution
 Nepal 1064
 Philippines 5729
 South East Asia 5728
- Sarcophaga peregrina** (see *Boettcherisca peregrina*)
- Sarcophaga portschinskayana**, taxonomy, new combination 5731
- Sarcophaga portschinskyi**, taxonomy, new combination 5731
- Sarcophaga promiscua**
 distribution, South East Asia 5728
 taxonomy, new combination 5728
- Sarcophaga quinquemorsa**, taxonomy, new species 5728
- Sarcophaga robustispinosa**, taxonomy, new species 5728
- Sarcophaga rohdendorfi**, taxonomy, nomenclature 5731
- Sarcophaga ruficornis** (see *Liopygia ruficornis*; *Parasarcophaga ruficornis*)
- Sarcophaga scopariiformis**, distribution, South East Asia 5728
- Sarcophaga sericea**
 distribution
 Pakistan 5731
 South East Asia 5728
- Sarcophaga shresthai**, taxonomy, new combination 1064
- Sarcophaga situliformis**
 distribution, Nepal 1064
 taxonomy, new combination 1064
- Sarcophaga villipes**, taxonomy, new combination 5729
- Sarcophaga walshi**, distribution, Philippines 5729
- Sarcophaga yunnanensis**, taxonomy, new combination 5731
- Sarcophagidae**
 cattle dung, China 5718
 cattle housing, Yugoslavia 5409
 control
 insecticides 5409
 traps 4221
 distribution, Poland 1460
 ecology, population ecology 2402
 forests, Czechoslovakia 2402
 parasitoids, Romania 4756
 taxonomy, nomenclature 2396
Ulmus pumila, USA 3485
- Sarcophaginae**, taxonomy, revision 1064
- Sarcophila latifrons**, distribution, Afghanistan 2398
- Sarcoptes**
 control, acaricides 3179, 3334
 livestock, India 3179
 rabbits, skin diseases 5874
- Sarcoptes scabiei**
 allergens, cross reactivity 2010
 buffaloes
 India 2544
 skin diseases 5335
 Thailand 376
 camels, skin diseases 4846
 cats, skin diseases 688
- Sarcoptes scabiei cont.**
 control, acaricides 329, 1601-1602, 1604, 1606-1607, 2115, 2543, 2545, 3210, 3846-3847, 3850, 3852-3854, 4840-4844, 4846, 5335, 5870, 5873
 dogs, skin diseases 3210, 3851, 4944, 5400
 dromedaries, skin diseases 3854
 ecology, host parasite relationships 4838
 foxes, skin diseases 1604
 furbearing animals
 control 1167
 Romania 1598, 1777
 goats
 Indonesia 4845
 Kenya 3855
 Nigeria 3853
 guineapigs, skin diseases 4843
 hides and skins, Pakistan 4836
 livestock, skin diseases 5873
 man
 acquired immune deficiency syndrome 328
 Caribbean 5872
 control, acaricides 811
 ectoparasitoses 3497
 Ecuador 4941
 Ghana 4358
 Mexico 2572
 sexually transmitted diseases 3938
 skin diseases 327, 329-330, 332-333, 1332, 1599-1602, 2010, 2014, 2115, 2538, 2540-2542, 3209, 4837, 5870-5871
 India 4361
 mastitis, transmission 3663
 nursing homes, USA 331, 1600
 pets, control, acaricides 4598
 pigs
 Belgium 4360
 Bulgaria 3847
 Finland 3846
 German Federal Republic 2543
 hypersensitivity 5869
 immune response 1603
 skin diseases 687, 1606-1607, 2539, 2545, 3849-3850, 3852, 4838, 4840-4842, 4844, 5337
 rabbits
 skin diseases 689, 1605
 Thailand 3212
 sampling 4838
- Sarcoptidae**
 control, acaricides 2717
 Desmodontinae, America 3235
- Sarcorohdendorfia mysorensis**, taxonomy, new species 4231
- Sarcosolomonina harinasutai**, taxonomy, nomenclature 5731
- Sarcosolomonina shresthai**, taxonomy, nomenclature 1064
- Sarcotretes lobatus**, taxonomy, nomenclature 3872
- Sarcotretes scopeli**
Hymenoccephalus gracilis, Pacific Ocean 3872
 taxonomy, redescription 3872
- Saudi Arabia**
 African horse sickness, epidemiology 1185
 akabane virus, epidemiology 346
 Cleridae 2432
 Coleoptera 4752
 Cryptostigmata, checklists 1156
Culex quinquefasciatus 2340
Dermatobia hominis 229
 Formicidae 3774
Hyalomma arabica 5301
 man, allergies 374
Phlebotomus sergenti 4674
Rhipicephalus turanicus 5807
 Tabanidae 1444, 4685
- Scalida tricaudata**, taxonomy, nomenclature 4136
- Scarabaeidae**
 biometrics, biomass 2428
 carrion, Mexico 1924
 cattle dung, China 5718
 caves, Venezuela 3101

- Scarabaeidae cont.**
distribution, Italy 3734
faeces, Spain 5778
genetics, cytogenetics 2429
monitoring, traps 4751
Nicaragua, catalogues 2430
taxonomy, keys, Turkey 4090
- Scarabaeinae**, ecology, interspecific competition 3729
- Scarabaeus**, *Tarsopolipus hallidayi*, Africa 3189
- Scarabaeus convexus**, *Tarsopolipus bisetalus*, Africa 3189
- Scarabaeus flagellatus**, ecology, spatial distribution 5776
- Scarabaeus gangeticus**, *Tarsopolipus bisetalus*, Africa 3189
- Scarabaeus sacer**, ecology, spatial distribution 5776
- Scarabaeus semipunctatus**, *Tarsopolipus massai*, Italy 3189
- Scarites subterraneus**, prey, *Stomoxys calcitrans* 1456
- Scathophaga stercoraria**
cattle dung, UK 4701
ecology, population ecology 4701
- Scathophagidae**
cattle, Italy 5717
distribution, Poland 1460
- Sceliphron caementarium**, prey, Araneae 701
- Sceloporus jarrovi**, *Pogonomymex maricopa*, venoms, toxicity 1517
- Sceloporus occidentalis**
Borrelia burgdorferi, USA 3277
Ixodes pacificus, USA 1538
- Scenedesmus bijugatus**, insecticides, bioassays 4020
- Scenopinidae**, Palaearctic Region, catalogues 3432
- Scheloribates**
Moniezia expansa
Argentina 684
infectivity 1157
- Schistosoma mansoni**, intermediate hosts, *Gymnopleurus virens*, South Africa 3733
- Schizocarpus alaskensis**
Castor canadensis, USA 3214, 4364
taxonomy, new species 4364
- Schizocarpus centralis**
Castor canadensis, USA 4364
taxonomy, new species 4364
- Schizocarpus contrarius**
Castor canadensis, USA 4364
taxonomy, new species 4364
- Schizocarpus distinctus**
Castor canadensis, USA 3214, 4364
taxonomy, new species 4364
- Schizocarpus indianensis**, *Castor canadensis*, USA 3214
- Schizocarpus inversus**, *Castor canadensis*, USA 3214
- Schizocarpus mingaudi**, *Castor canadensis*, USA 3214
- Schizocarpus paramingaudi**
Castor canadensis, USA 3214, 4364
taxonomy, new species 4364
- Schizocarpus postannulatus**
Castor canadensis, USA 3214, 4364
taxonomy, new species 4364
- Schizocarpus posticus**
Castor canadensis, USA 3214, 4364
taxonomy, new species 4364
- Schizocarpus protinus**
Castor canadensis, USA 3214, 4364
taxonomy, new species 4364
- Schizocarpus reductus**
Castor canadensis, USA 3214, 4364
taxonomy, new species 4364
- Schizocarpus spinifer**, *Castor canadensis*, USA 3214
- Schizocarpus subvirgatus**, *Castor canadensis*, USA 3214
- Schizocarpus tetrapilis**, *Castor canadensis*, USA 3214
- Schizocarpus virgatus**, *Castor canadensis*, USA 3214
- Schizohalea**, taxonomy, synonyms 5983
- Schizonyxhelea forattinii**, taxonomy, new species 5983
- Schoengastia loomisi**, *Sphenomorphus*, Papua New Guinea 4817
- Schoengastia sulawesensis**, rodents, Indonesia 4325
- Schoengastiella birellasetosa**
Rattus rattus, Philippines 2004
taxonomy, new species 2004
- Schoengastiella dentata**
Rattus rattus, Philippines 2004
taxonomy, new species 2004
- Schools**, *Dermatophagoides farinae*, Norway 4355
- Schwenkiella atheri**, physiology, osmoregulation 3329
- Sciaena canariensis**, *Anilocra capensis*, Atlantic Ocean 1621
- Sciaridae**, animal burrows, UK 4245
- Sciomyzidae**, distribution, Poland 593
- Scirpus californicus**, Culicidae, USA 2265
- Sciurocoptes**, taxonomy, keys, Poland 696
- Sciurus carolinensis**
Aedes aegypti, blood-meals, digestion 1368
Ixodidae, USA 1573, 1981
Keystone virus, USA 1406
- Sciurus vulgaris**
ectoparasites, Poland 681
Ixodes, Yugoslavia 4795
Ixodes ricinus, feeding 5288
nests, *Phyllodrepa salicis*, UK 605
- Scolopendra**, man, bites 1624
- Scolopendra heros**, man, hypersensitivity 708
- Scolytidae**, caves, Venezuela 3101
- Scomber colias**, Copepoda, Atlantic Ocean 1618
- Scomber scombrus**, Copepoda, Atlantic Ocean 1618
- Scophthalmus rhombus**, *Lepeophtheirus europaeus*, Mediterranean Sea 3874
- Scopulariopsis fusca**, hosts, Acari 2705
- Scorpiones**
biology, books 863
distribution, Brazil 4859
man, beliefs 3866
morphology, legs 4528
- Scorpionysus**, taxonomy, new genus 4820
- Scorpionysus heterometrus**
hosts, *Heterometrus swammerdami* 4820
taxonomy, new species 4820
- Scotophilus heathii**, ectoparasites, China 3542
- Scourge**
control, Culicidae 117
susceptibility, *Aedes albopictus* 84
- Scrub typhus** (see also *Rickettsia tsutsugamushi*)
- Scutacaridae**, Ricinuclei, phoresy 4323
- Scutacarus longitarsus**, hosts, Sphaeroceridae 4313
- Scutellaria woronowii**, biochemistry, diterpenoids 4981
- Scydmaenidae**, caves, Venezuela 3101
- Scylla serrata**, *Octoplasms*, host parasite relationships 4861
- Scytodes poenitens**, taxonomy, nomenclature 2028
- Sebastes marinus**, *Sphyrion lumpi*, Atlantic Ocean 1619
- Sebekia mississippiensis**, *Alligator mississippiensis*, USA 2570
- Security** (see Malathion)
- Sedlec virus**
Acrocephalus scirpaceus, Czechoslovakia 714
taxonomy, serotaxonomy 714
- Seiurus aurocapillus**, *Ixodes dammini*, USA 2478
- Seiurus noveboracensis**, *Ixodes dammini*, USA 2478
- Selenastrum capricornutum**, organophosphorus pesticides, degradation 1280
- Selfia**, arboviruses, USA 5180
- Semiochemicals**
chemistry, chirality 4982
control, insect pests 402
formulations 402
research, reviews 4543
- Semliki Forest virus**
Aedes albopictus, cell lines, infection 4403
man, Uganda 2050
vectors, *Aedes*, Central African Republic 3561
- Senegal**
Ceratopogonidae 5641
fish products, Acari 4362
Rift Valley fever virus, epidemiology 1631
Sarcophagidae 2398
- Senotainia anamalaica**, taxonomy, new species 2398
- Sentinel animals**
Cochliomyia hominivorax, surveillance 1485
Trypanosoma congolense, Congo 1051
- Sentinel cages**, aerosols, droplet studies 2729
- Sepedon aenescens**, distribution, Korea 1499
- Sepedon sphegeus**, forests, France 5256
- Sepedon spinipes**, distribution, Korea 1499
- Sepsidae**
distribution, Pakistan 5762
taxonomy, keys, Pakistan 5762
- Sepsis mediana**, taxonomy, new species 5762
- Sepsis thoracica**, parasitoids 5694
- Septic tanks**, Culicidae, India 2311
- Sergentomyia**
distribution, Yemen Arab Republic 5196
dwellings, India 558, 4200
taxonomy
phylogeny 3631
revision 5651
- Sergentomyia adleri**
animal burrows, Kenya 5187
control, impregnated fabrics 1021
distribution
Egypt 5647
Jordan 182
dwellings, Burkina Faso 1021
ecology, environmental factors 5187
- Sergentomyia affinis**
animal burrows, Kenya 5187
ecology, environmental factors 5187
- Sergentomyia affinis vorax**, dwellings, Burkina Faso 1021
- Sergentomyia africana**
animal burrows, Kenya 5187
control, impregnated fabrics 1021
dwellings, Burkina Faso 1021
ecology, environmental factors 5187
- Sergentomyia anodontis**, distribution, Thailand 5186
- Sergentomyia antennata**
animal burrows, Kenya 5187
buildings, Cyprus 3012
control, impregnated fabrics 1021
dwellings, Burkina Faso 1021
ecology, environmental factors 5187
- Sergentomyia antennata form sintoni**, *Rattus rattus*, animal burrows, Iraq 4671
- Sergentomyia babu**, hosts, India 559
- Sergentomyia baillyi**
distribution, Thailand 5186
ecology, life cycle 1019
- Sergentomyia barraudi**, distribution, Thailand 5186
- Sergentomyia bedfordi**
animal burrows, Kenya 5187
control, impregnated fabrics 1021
dwellings, Burkina Faso 1021
ecology, environmental factors 5187
- Sergentomyia buruensis**, taxonomy, new species 5651
- Sergentomyia buxtoni**
control, impregnated fabrics 1021
dwellings, Burkina Faso 1021
- Sergentomyia christophersi**
distribution
Egypt 5647
Jordan 182
- Sergentomyia clara**, taxonomy, new species 5651
- Sergentomyia clydei**
animal burrows, Kenya 5187
control, impregnated fabrics 1021

- Sergentomyia clydei* cont.
distribution
Egypt 5647
Jordan 182
dwellings, Burkina Faso 1021
ecology, environmental factors 5187
- Sergentomyia dreyfussi* (see *Grassomyia dreyfussi*)
- Sergentomyia englishae*, taxonomy, synonyms 5651
- Sergentomyia fallax*
buildings, Cyprus 3012
distribution
Egypt 5647
Jordan 182
- Sergentomyia gemmea*, distribution, Thailand 5186
- Sergentomyia gibsoni*, taxonomy, new species 5651
- Sergentomyia graingeri*
animal burrows, Kenya 5187
ecology, environmental factors 5187
- Sergentomyia grekovi*, animal burrows, USSR 2352
- Sergentomyia hamoni*, distribution, Congo 3024
- Sergentomyia hodgsoni hodgsoni*, distribution, Thailand 5186
- Sergentomyia hoogstraali*, distribution, Australia 5651
- Sergentomyia impudica*, distribution, Congo 3024
- Sergentomyia indica*, distribution, Thailand 5186
- Sergentomyia ingrami*
animal burrows, Kenya 5187
distribution, Congo 3024
ecology, environmental factors 5187
- Sergentomyia iyengari*, distribution, Thailand 5186
- Sergentomyia magna*
control, impregnated fabrics 1021
distribution, Congo 3024
dwellings, Burkina Faso 1021
- Sergentomyia meridionalis*, taxonomy, nomenclature 5651
- Sergentomyia minuta*
breeding places, Italy 3011
buildings, Cyprus 3012
Italy 5653
morphology, abnormalities 5650
Spain 1853
taxonomy, morphotaxonomy 5649
- Sergentomyia minuta minuta*, *Trypanosoma platydactyli*, Italy 5193
- Sergentomyia moresbyi*, taxonomy, nomenclature 5651
- Sergentomyia palestinesis*, distribution, Egypt 5647
- Sergentomyia perturbans*, distribution, Thailand 5186
- Sergentomyia pugifera*, taxonomy, new species 5651
- Sergentomyia punjabensis*, distribution, Thailand 5186
- Sergentomyia queenslandi*, taxonomy, synonyms 5651
- Sergentomyia richardi*, distribution, Congo 3024
- Sergentomyia schwetzi*
animal burrows, Kenya 5187
control, impregnated fabrics 1021
distribution, Egypt 5647
dwellings, Burkina Faso 1021
ecology, environmental factors 5187
- Sergentomyia silva*, distribution, Congo 3024
- Sergentomyia silvatica*, distribution, Thailand 5186
- Sergentomyia squamipleuris* (see *Grassomyia squamipleuris*)
- Sergentomyia squamirostris*, ecology, life cycle 1019
- Sergentomyia standfasti*, taxonomy, new species 5651
- Sergentomyia tiberiadis*
distribution
Egypt 5647
Jordan 182
- Sergentomyia vanella*, distribution, Australia 5651
- Sergestes arcticus*, *Holophryxus* 5351
- Sericotrupes niger*, faeces, Spain 4259
- Serinus canaria* (see also *Canaries*)
- Serrasalmus*, *Asotana magnifica*, Brazil 4863
- Serratia marcescens*
hosts
Aedes aegypti, pathogenicity 1844
Lepidoptera 792
- Serratia plymuthica*, *Coproica hirtula*, contamination 5761
- Sesquicillium candelabrum*, hosts, *Aedes sierrensis*, pathogenicity 3589
- Setaria equina*, vectors, *Anopheles sinensis*, infections 2235
- Setaria labiata papillosa*
vectors
Aedes caspius, USSR 2650
Diptera, transmission 5163
- Sevin (see Carbaryl)
- Sewage, *Culex quinquefasciatus*, Thailand 5109
- Sewage effluent
Culex pipiens, France 4619
Culicidae, USA 121
- Sewage sludge, *Leptocera fuscipennis*, Japan 1087
- Sewerage, Culicidae, India 2311
- Sheep (*Ovis aries*)
Aedes cantans, UK 550
akabane virus, Arabian Peninsula 346
Amblyomma, South Africa 5832
Amblyomma hebraeum, South Africa 5841, 5844
Amblyomma variegatum, Antigua 1549
Anopheles sacharovi, blood-meals, fecundity 1805
Babesia, India 4940
bluetongue virus
detection, ELISA 2576
diagnosis 5373
India 5371, 5374
Mexico 2577
Boophilus microplus, immunity 1133
Borrelia burgdorferi, UK 662
Bovicola ovis
Australia 4580
effects, wool 3534
skin diseases 1325
bovine oncovirus 1443
Cache Valley virus, USA 4889
Calliphoridae, New Zealand 3071
Cochliomyia hominivorax, myiasis 3670, 4728
Cowdria ruminantium
Mali 770
Zimbabwe 1545, 4807
Culicidae, Egypt 1398
Culicoides, French Guiana 3621
Dermacentor, skin diseases 302
Dermacentor marginatus, German Federal Republic 2490
ectoparasites
control
acaricides 1247
insecticides 3533
pesticides 2717
effects, productivity 5399
France, control 4961
palaeozoology 5056
skin diseases 5873
South Africa 2507
Spain 5459
Erve virus, France 2593
heptachlor, metabolism 2099
Hyalomma arabica, Saudi Arabia 5301
insects, ectoparasitoses 3722
ivermectin, toxicity 835
Ixodes ricinus, UK 292
Ixodes rubicundus
paralysis 1551
South Africa 2511
tick paralysis 666
Ixodidae
Czechoslovakia 2499
India 5799
South Africa 5848
Spain 5825
Turkey 5311
Yugoslavia 3627, 5821
- Sheep cont.
jetting, evaluation 4500
Lucilia cuprina
immune response 3671
myiasis 1063, 1475, 1480, 3069, 3685, 4731, 5744-5745
fleece rot 3070
resistance, genetics 3664-3665, 3667
Lucilia sericata, myiasis 3696
Melophagus ovinus
ectoparasitoses 2425
Poland 2417, 4252
Mules' operation, wound treatment 3695
Oestrus ovis
India 5746
liveweight gain 1491
myiasis 1916, 5253, 5750
USSR 3701
organophosphate insecticides, residues, decay 3396
organophosphorus insecticides, residues, New Zealand 4079
Ornithodoros lahorensis, USSR 2500
Palyam serogroup viruses, South Africa 1184
Parabronema skrjabini, USSR 2378
parasitoses, conferences 2831
pesticides
effects 2500
poisoning 2784
Phlebotomus, Egypt 3002
phoxim, residues 5012
Psorobia ovis, skin diseases 313, 4326
Psoroptes ovis
immune response 692
Northern Ireland 5336
skin diseases 691, 693, 5875, 5877
Psoroptidae, ectoparasitoses, epidemiology 4848
Rhipicephalus, Yemen Arab Republic 1979
Rhipicephalus bursa, Israel 4815
Rhipicephalus turanicus, Saudi Arabia 5807
Rickettsia conorii, Italy 4418
Taenia hydatigena, infection 3075
tick pyaemia 1546
Trypanosoma congolense, Congo 1051
vectors, control, India 3243
West Nile virus, Nigeria 5372
Wohlfahrtia magnifica, USSR 3668
- Sheep dipping races, lindane, application methods 808
- Sheep dung
dung beetles, France 3725-3726
invertebrates, ivermectin, toxicity 5437
Mesostigmata, Iraq 4818
- Shigella dysenteriae*, *Periplaneta americana*, Ghana 2880
- Ships
Blattella germanica, Poland 1318
Chrysomya bezziana, Australia 4234
Dermatophagoides, USA 5867
- Sicista subtilis*, Trombiculidae, USSR 2005
- Sierra Leone
Culicoides 3035
Onchocerca, epidemiology 3034
pesticides, poisoning 5432
- Sigmavirus*, glycoproteins, nucleotide sequences 1226
- Sigmavirus*, hosts, *Drosophila melanogaster*, infection, resistance, genetics 4476
- Sigmodon hispidus*
Aedes aegypti, blood-meals, digestion 1368
ectoparasites, USA 41
Rickettsia rickettsii, infection 5293
Solenopsis invicta, predation 278
- Silica, toxicity, *Blattella germanica* 2883
- Silotox, control, ectoparasites 5801
- Silpha perforata venatoria*, carrion, Japan 600
- Silphidae, taxonomy, keys, Turkey 4090
- Silvius*, distribution, Turkey 2368
- Silvius matsumurai*, streams, Japan 5213
- Silvius variegatus*, distribution, Portugal 5676

- Simazine**, toxicity, aquatic invertebrates 825
- Simbu group viruses**, epidemiology, reviews 752
- Simuliidae**
behaviour, feeding behaviour 133, 4680
common names, India 5656
ecology
emergence 1710
invertebrate drift 465, 1304
water pollution 1305
insecticides, resistance 5945
man, hypersensitivity 2364
morphology, wings 1359
morphometry 2362
permethrin, effects 2105
predators, fishes, predation 3483
rearing techniques 5665
rivers, Poland 1305
sampling 5638
streams, UK 4547
taxonomy, keys 183
- Simulium**
buffaloes, wallowing 2659
ecology, acidification, effects 1307
Onchocerca volvulus, control 5393
phoresy, *Zygonyx iris* 3085
- Simulium alajense***, entomophilic nematodes 2710
- Simulium albellum***, distribution, Pakistan 5663
- Simulium angustipes***, morphology, eyes, host range 3027
- Simulium angustitarse***, morphology, eyes, host range 3027
- Simulium antillarum***, taxonomy, nomenclature 194
- Simulium aokii***
distribution, Japan 1026
streams, Japan 5662
- Simulium arakawae***, distribution, Japan 1026
- Simulium arcticum***
distribution, USA 1436
rivers, Canada 1032
- Simulium argyreatum***
ecology, population ecology 1438
water reservoirs, USSR 1849
- Simulium aureohirtum***
reproduction, autogeny 1029
sampling, substrates 1024, 1028
streams, Indonesia 1434
- Simulium aureum***
distribution
Japan 1026
USA 1436
hosts, USA 2359
morphology, eyes, host range 3027
Onchocerca, infections 3036
streams, German Federal Republic 2360
- Simulium barraudi***
control, insecticides 4683
distribution, Pakistan 5663
sampling, substrates 1024, 1028
streams, India 4683
- Simulium bidentatum***, streams, Japan 5662
- Simulium bipunctatum***, taxonomy, synonyms 194
- Simulium bivittatum***
arboviruses, USA 5180
distribution, USA 1436
ecology, dispersal 5208
rivers, USA 4681
substrates, colonization 4681
vesicular stomatitis virus, USA 1357, 5208
- Simulium bonaerense***
entomophilic nematodes 5944
Microspora, Argentina 1027
- Simulium bovis***, *Onchocerca*, Cameroon 1857
- Simulium brevicale***, ecology, acidification, biological indicators 1308
- Simulium caucasicum***
distribution, Pakistan 5663
entomophilic nematodes 2710
- Simulium colombaschense***, distribution, Czechoslovakia 5661
- Simulium condici***, phenotypes, variation, USSR 1858
- Simulium costatum***, ecology, nutrition 190, 192
- Simulium crassifilum***, distribution, Pakistan 5663
- Simulium croxtoni***, hosts, USA 2359
- Simulium cryophilum***
behaviour, feeding behaviour 189, 193
ecology, nutrition 192
- Simulium damnosum***
control
insecticides
application methods 3636
dosage 562
West Africa 1036
ecology, West Africa 1035
insecticides, screening 1038
- Onchocerca***
Cameroon 1857
Sierra Leone 3034
- Onchocerca volvulus***
control 2652
epidemiology 5392
Ghana 3037
organophosphorus insecticides, resistance, resistance mechanisms 3031
rearing techniques, eggs, storage 1034
sticky traps 1037
techniques, identification 3032
- Simulium decimatum***, rivers, USSR 2363
- Simulium decorum***
distribution, USA 1436
gynandromorphy 5202
- Simulium dekeyseri***, taxonomy, nomenclature 5666
- Simulium dentatum***, behaviour, cannibalism 5657
- Simulium disneyi***
streams, Indonesia 1434
taxonomy, new species 1434
- Simulium dumogaense***
streams, Indonesia 1434
taxonomy, new species 1434
- Simulium duplex***, distribution, USA 1436
- Simulium equinum***
morphology, eyes, host range 3027
Onchocerca, infections 3036
rivers, German Federal Republic 4202
- Simulium erythrocephalum***
behaviour, feeding behaviour 189
ecology
nutrition 192
population ecology 2360, 4204
morphology, eyes, host range 3027
Onchocerca, infections 3036
rivers, German Federal Republic 4202, 4204
streams, German Federal Republic 2360
water reservoirs, USSR 1849
- Simulium escomeli***, taxonomy, redescription 194
- Simulium exiguum***
Onchocerca volvulus, microfilariae, estimation 4684
taxonomy, redescription 194
- Simulium friedlanderi***, taxonomy, new species 5666
- Simulium fulvipes***, taxonomy, nomenclature 1030
- Simulium gonzalezi***, taxonomy, redescription 194
- Simulium gouldingi***, hosts, USA 2359
- Simulium grisescens***, distribution, Pakistan 5663
- Simulium griseum***, distribution, USA 1436
- Simulium guaporense***, taxonomy, new species 5205
- Simulium guianense***, distribution, Surinam 72
- Simulium himalayense***
behaviour, cannibalism 5657
control, insecticides 4683
sampling, substrates 1024, 1028
streams, India 4683
- Simulium horacioi***, genetics, cytogenetics 3633
- Simulium indicum***, sampling, substrates 1024, 1028
- Simulium japonicum***
biology, development 5206
distribution, Japan 1026
streams, Japan 5206, 5662
- Simulium jenningsi***
control, microbial pesticides 2358
distribution, USA 1436
Ehrlichia risticii, transmission 1023
horses, USA 893, 1023
hosts, USA 2359
sampling 2359
- Simulium johannseni***, distribution, USA 1436
- Simulium juxtacrenobium***, taxonomy, new species 4203
- Simulium kapuri***
control, insecticides 4683
streams, India 4683
- Simulium kawamurae***, distribution, Japan 1026, 5662
- Simulium keiseri***, taxonomy, adults 185
- Simulium konoi***, distribution, Japan 1026, 5662
- Simulium laciniatum***
Atyidae, phoresy 560
streams, Fiji 560
- Simulium laneportoi***, taxonomy, redescription 5666
- Simulium latipes***
ecology, acidification, biological indicators 1308
morphology, eyes, host range 3027
- Simulium lewisi***, taxonomy, redescription 194
- Simulium limay***, Microspora, Argentina 1027
- Simulium lineatum***
control, microbial pesticides 184
streams, German Federal Republic 2360
- Simulium luggeri***
control, insecticides 1032, 5434
distribution, USA 1436
rivers
Canada 1032
USA 4681
substrates, colonization 4681
- Simulium lundstromi***, streams, German Federal Republic 2360
- Simulium mediterraneum*** (see *S. pseudoequinum*)
- Simulium meridionale***
distribution, USA 1436
rivers, Canada 1032
- Simulium metallicum***
Onchocerca volvulus, infection 1433
sibling species
taxonomy
cytotaxonomy 3633
keys, larvae 5203
taxonomy, morphotaxonomy, cytotypes 5664
- Simulium metatarsale***, sampling, substrates 1024, 1028
- Simulium mexicanum***, taxonomy, redescription 194
- Simulium mie***, distribution, Japan 1026
- Simulium monticola***
behaviour, feeding behaviour 193
ecology, population ecology 1438
- Simulium morsitans***
morphology, eyes, host range 3027
rivers, German Federal Republic 4202
- Simulium nemorivagum***, distribution, Pakistan 5663
- Simulium nigritarse***, reproduction, autogeny 1435
- Simulium nikkoense***, distribution, Japan 5662
- Simulium nitidifrons***, behaviour, feeding behaviour 193
- Simulium nitidithorax***, sampling, substrates 1024, 1028
- Simulium noelleri***
ecology, nutrition 191
morphology, eyes, host range 3027
streams, German Federal Republic 2360
Tolypocladium niveum, toxins, toxicity 5615
- Simulium nyssa***, distribution, USA 1436

- Simulium ochraceum***
control, Guatemala 3026
development, environmental factors 1025
Onchocerca volvulus, effects, reproduction 1025
- Simulium ornatum***
behaviour
 feeding behaviour 189
 larvae, locomotion 3029
cattle, Denmark 207, 1358
control, microbial pesticides 184, 1437
ecology
 acidification, biological indicators 1308
 nutrition 191-192
 population ecology 2360
 substrates, colonization 4678
entomopathogenic protozoa 3966
morphology, eyes, host range 3027
Onchocerca, infections 3036
Onchocerca lienalis, vectors, infection, techniques 1860
Onchocerca volvulus, immunity 3632
rivers, German Federal Republic 4202
streams
 Czechoslovakia 1437
 German Federal Republic 2360
Tolypocladium niveum, toxins, toxicity 5615
- Simulium oshimaense***, taxonomy, new name 1030
- Simulium piperi***, distribution, USA 1436
- Simulium posticatum***, man, hypersensitivity 1031
- Simulium praelargum***
behaviour, cannibalism 5657
control, insecticides 4683
sampling, substrates 1024, 1028
streams, India 4683
- Simulium pseudoguinum***
ecology, population ecology 5660
oases, Iraq 5660
streams, Iraq 5659
- Simulium pseudoantillarum***, taxonomy, nomenclature 194
- Simulium quadrivittatum***, taxonomy, redescription 194
- Simulium quinquestriatum***, distribution, Japan 1026, 5662
- Simulium reptans***
behaviour, feeding behaviour 193
Onchocerca, infections 3036
- Simulium rheophilum***, ecology, acidification, biological indicators 1308
- Simulium rosemaryae***
streams, Indonesia 1434
taxonomy, new species 1434
- Simulium rostratum***
behaviour, feeding behaviour 189, 193
ecology, nutrition 192
- Simulium rubiginosum***, Microspora, Argentina 1027
- Simulium rubrithorax***, man, insects as food 4201
- Simulium rufibasis***
biology, development 5206
distribution, Japan 1026, 5662
sampling, substrates 1024, 1028
streams, Japan 5206
- Simulium ruficorne***, reproduction, autogeny 1435
- Simulium sanctipauli***
ecology, dispersal 4679
Onchocerca volvulus, West Africa 4679
organophosphorus insecticides, resistance, resistance mechanisms 3031
- Simulium shevtshenkovae***, water reservoirs, USSR 1849
- Simulium sirbanum***
filariids, transmission 5163
Onchocerca, Cameroon 1857
Onchocerca volvulus, Ghana 3037
taxonomy, cytotoxonomy 1440
- Simulium soubrense***, cattle, Sierra Leone 3035
- Simulium spinosum***
behaviour, feeding behaviour 189
ecology, nutrition 190, 192
- Simulium squamosum***, *Onchocerca*, Cameroon 1857
- Simulium squamosum kitetense***
taxonomy, new subspecies 561
Zaire 561
- Simulium striatum***
control, insecticides 4683
sampling, substrates 1024, 1028
streams, India 4683
- Simulium subcostatum***, distribution, Japan 1026
- Simulium sudanense***, taxonomy, nomenclature 1440
- Simulium sulawesiense***
streams, Indonesia 1434
taxonomy, new species 1434
- Simulium suzukii***, distribution, Japan 5662
- Simulium tenuistylum***, behaviour, cannibalism 5657
- Simulium torautense***
streams, Indonesia 1434
taxonomy, new species 1434
- Simulium trifasciatum***, streams, German Federal Republic 2360
- Simulium tuberosum***
Bacillus thuringiensis, control, microbial pesticides 4682
behaviour, feeding behaviour 186
control, microbial pesticides 2358
distribution, USA 1436
hosts, USA 2359
streams, Canada 4682
- Simulium tumpaense***
streams, Indonesia 1434
taxonomy, new species 1434
- Simulium uchidai***
distribution, Japan 1026
streams, Japan 5662
- Simulium varicorne***, sampling, substrates 1024, 1028
- Simulium variegatum***
behaviour, feeding behaviour 193
distribution, Pakistan 5663
ecology, population ecology 1438
Onchocerca, infections 3036
- Simulium velistishevi***, distribution, Pakistan 5663
- Simulium venustum***
Bacillus thuringiensis, control, microbial pesticides 4682
distribution, USA 1436
ecology, streams, invertebrate drift 9
entomophilic nematodes, infection 5658
gynandromorphy 5202
horses, hypersensitivity 5185
hosts, USA 2359
sampling 2359
streams, Canada 4682, 5658
- Simulium verecundum***
Bacillus thuringiensis, control, microbial pesticides 4682
behaviour, feeding behaviour 186-187
control, microbial pesticides 2358
ecology, nutrition 188
entomophilic nematodes, infection 5658
gynandromorphy 5202
hosts, USA 2359
streams, Canada 4682, 5658
- Simulium vernum***
Bacillus thuringiensis, control, microbial pesticides 4682
control, microbial pesticides 1437
ecology, nutrition 192
hosts, USA 2359
streams
 Canada 4682
 Czechoslovakia 1437
 German Federal Republic 2360
- Simulium versicolor***, distribution, Pakistan 5663
- Simulium vittatum***
behaviour, feeding behaviour 186-187
control
 insecticides 5434
 microbial pesticides 2358
distribution, USA 1436
ecology
 dispersal 5208
 larvae, habitats 3634
 nutrition 188
Ehrlichia risticii, transmission 1023
gynandromorphy 5202
- Simulium vittatum cont.***
horses, USA 893, 1023
hosts, USA 2359
larvae, hydrodynamics 3033
rivers, Canada 1032
vesicular stomatitis virus, USA 1357, 5208
- Simulium wolcottii***, taxonomy, nomenclature 194
- Simulium wolffhuegli***, Microspora, Argentina 1027
- Simulium yahense***
Onchocerca volvulus, Liberia 5207
rubber plantations, Liberia 5207
- Sindbis virus**
Aedes albopictus
 cell lines
 infection 4164
 heat shock proteins 4175
arthropods, Czechoslovakia 1634
birds, Czechoslovakia 354-355, 714
complement activation 4404
dogs, South Africa 2049
epidemiology, reviews 753
mutants 4408
vectors
 Aedes, transmission 4639
 Culex quinquefasciatus, Australia 1822
 Culex univittatus, vector competence 966
 Culicidae, Sweden 4188
- Singapore**
Aedes 2959, 4157, 4172
Boettcherisca 1899
Dasyhelea schizothruxi 3618
Sarcophagidae 5728
- Sinonipponia papaii***, taxonomy, new species 4231
- Sinopotamon***, *Paragonimus*, China 4371
- Sinopotamon denticulatum***, *Paragonimus skrjabini*, China 4372
- Siphonaptera**
animal burrows, USSR 1785
Apodemus, Poland 1997
control
 fire 4154
 insecticides 2079, 2717
distribution, German Democratic Republic 5517
domestic animals, control 5512
dwellings, Switzerland 2202
insecticidal plants, South Africa 4977
man, allergies, reviews 3306
morphology, head 64
North America 5097
sampling 1785
small mammals
 Czechoslovakia 286, 1349
 site classification 285
Sorex alpinus, Poland 1523
Yersinia pestis
 USA 930
 USSR 1786
- Siphonini**, taxonomy, genera, revision 3713
- Siphunculina***, taxonomy, keys, Oriental Region 5764
- Siphunculina bella***, taxonomy, new species 5764
- Siphunculina carinata***, taxonomy, new species 5764
- Siphunculina ceylonica***, taxonomy, new species 5764
- Siphunculina hirtifrons***, taxonomy, new species 5764
- Siphunculina manipurensis***, distribution, Pakistan 5764
- Siphunculina saigusai***, taxonomy, new species 5764
- Siphunculina sharmai***, distribution, Nepal 5764
- Siphunculina simulata***, distribution, Korea Republic 5764
- SIR-8514** (see Triflumuron)
- Siseca rara***
distribution, Philippines 2004
Sphenomorphus, Papua New Guinea 4817
- Sisyphus schaefferi***, ecology, spatial distribution 5776

Sitta europaea

ectoparasites, German Federal Republic 4792

Ixodes arboricola, Poland 1995

Sixgun City virus, taxonomy, chemotaxonomy 2591**Skeetal** (see *Bacillus thuringiensis* subsp. *israelensis*)**Skin diseases**

Acari, rabbits 5874

arthropods

dogs 5400

man 785-786

Bovicola ovis, sheep 1325

cats

books 1697

ectoparasites 3935

Cheyletiella

dogs 3836, 4827-4829, 4831

pets 675

Cheyletiella yasguri, dogs 1583

Chorioptes bovis

Bison bonasus 1169

horses 1610

Ctenocephalides

cats 4594

dogs 2204

Cuculotogaster heterographa, fowls 486

Culicoides, horses 1428, 3623

Culicoides imicola, horses 2345, 3622

Culicoides variipennis, horses, treatment 5184

Demodex

cats 1999, 3197

man 315, 1586, 2002, 3196

Demodex bovis, cattle 1150, 1588, 2519, 4830

Demodex canis

dogs 676, 1152, 1584, 1589, 2000, 3837, 4327

guineapigs 3832

Demodex cati, cats 2518

Demodex folliculorum, man 3190-

3191, 5324

Demodex tigris, *Panthera tigris* 5859

Dermacentor, sheep 302

Dermacentor albipictus, *Alces alces*

5298

Dermatophagoides farinae, dogs 5334

Dermatophagoides pteronyssinus, man

2012

Diptera, horses 5185

dogs, books 1698

ectoparasites

buffaloes 2544

dogs 4944

livestock 5873

man 1332, 2572

mice 3833

pets 2657

rabbits 689

furbearing animals, control 1167

haematophagous insects, man 2065

Haematopinus eurytenuis, cattle 488

Haematopinus suis, pigs 1335

horses

books 1696

ectoparasites 2655-2656

insects, man 3305

Knemidokoptes mutans, fowls 694

Notoedres cati

cats 1168, 3848

rabbits 4359

Ornithonyssus bacoti, man 1580

Otodectes cynotis, pets 4847

Paederus, man 2434

Parasitus consanguineus, cattle 2515

Pediculidae, man 5493

Pediculus capitis, man 37-38, 42, 1330,

1336, 2189, 2904-2906, 5486,

5489-5491

Pediculus humanus, man 5487

pets, books 4107

Psorobia ovis, sheep 313, 4326

Psoroptes cuniculi, rabbits 690, 1609,

3857, 5339

Psoroptes equi, buffaloes 3856

Psoroptes ovis

cattle 2546, 3211, 5338, 5876

immunosuppression 2016

sheep 691, 693, 5336, 5875, 5877

Skin diseases cont.

Phthirus pubis, man 39, 489, 1329, 1760

Rhipicephalus appendiculatus, cattle, immunity, foot and mouth disease 4812

Sarcoptes scabiei

buffaloes 5335

camels 4846

cats 688

dogs 3210, 3851

dromedaries 3854

foxes 1604

goats 4845

guineapigs 4843

man 327-330, 332-333, 1599-1602,

2010, 2014, 2115, 2538, 2540-

2542, 3209, 4358, 4837, 5870-

5872

India 4361

pigs 687, 1603, 1606-1607, 2539,

2545, 3846-3847, 3849-3850,

3852, 4360, 4838, 4841-4842,

4844, 5337, 5869

rabbits 1605

Simuliidae, man 2364

Spilopsyllus cuniculi, cats 2203, 4155,

4599

storage mites, man 2531

Tarsonemoides noxius, mice 1587

Trixacarus caviae, guineapigs 4839

Tunga penetrans, man 69, 928, 1345,

5518

Skin-So-Soft, chemistry, half life 1237

Skrjabinofilaria skrjabini, vectors, Dip-

tera, transmission 5163

Sleeping sickness (see also *Trypanosoma*

gambiense; *Trypanosoma*

rhodesiense)

Sliferia, taxonomy, new genus 3522

Sliferia lineaticollis, taxonomy, new com-

bination 3522

Small mammals

ectoparasites

Czechoslovakia 286

site classification 285

Poland 1995

Siphonaptera, Czechoslovakia 1349

Smittium culicis, ultrastructure,

trichospores 3962

Smittium culisetiae, ultrastructure,

trichospores 3962

Snowshoe hare virus

epidemiology, reviews 729

horses

Canada 3904

USA 4377

Odocoileus hemionus, USA 3889

Social insects, conferences 2122

Sodium chloride, effects, *Aedes*, size 2308

Sodium fluoroacetate

baits, Formicidae, detoxification 3132

toxicity, invertebrates 5421

Sodium monofluoroacetate (see *Sodium*

fluoroacetate)

Soil

arthropods, extraction 2863

insecticides, evapotranspiration 5026

Soil arthropods, biology, books 2818

Soil biology, techniques, books 2121

Soil flora, chlorpyrifos, interactions 1686

Solenopotes, cattle, control, insecticides

5801

Solenopsin A, chemistry, synthesis 1519

Solenopsis, genetics, karyotypes 634

Solenopsis geminata

behaviour 5790

man, bites 3305

Pheidole morrisii, interactions 623

physiology, muscle degeneration 1118

reproduction, genetics 2460

Solenopsis invicta

allergens, venoms 4280, 4282

behaviour

foraging 3129, 3775

odours 3128

reproduction 3134

semiochemicals 4774

biochemistry, cuticle 4774

control

growth regulators 4772

insecticides 2461, 3140

Solenopsis invicta cont.

development, environmental factors 633

distribution, USA 635, 1951

ecology

dispersal 1951

invasions 3133

fenoxycarb

effects

alates 5275

pheromones, production 632

reproduction 622

man

hypersensitivity 4283

stings 3780, 4771

treatment 375

monitoring, traps 4285

ontogeny, longevity 3135

parasitoids 4758

Paratrechina longicornis, behaviour,

interspecific competition 5277

pastures, USA 4772

pheromones, bioassays 3127

physiology

muscle degeneration 1118

supercooling 5276

predators 1119

prey

Bufo houstonensis, predation 277

rodents, predation 278

rearing techniques, diets 3141

reproduction

fecundity 3777

fertility 3778

genetics 2460

oviposition 625

spermatozoa, fertilization 631

sex pheromones 1519

Solenopsis richteri, hybridization 3776

venoms

allergens, cross reactivity 4281

man, allergenicity 273

Solenopsis molestus, bacteria, Trinidad

and Tobago 5791

Solenopsis richteri

man, stings 4771

physiology, supercooling 5276

reproduction, genetics 2460

Solenopsis invicta, hybridization 3776

Solenopsis saevissima, control, fungal

insecticides 4778

Solomon Islands

Anopheles 4156

Anopheles farauti 977, 5153

yaws, epidemiology 3913

Somalia

Anopheles gambiae 4159

Borrelia recurrentis, epidemiology 772

Glossina pallidipes 569

Siphonaptera 5520

Strigiphilus 4577

Somatoplatys substriatus, poultry housing,

South Africa 601

Sorex, nests, Siphonaptera, USSR 1779

Sorex alpinus, ectoparasites, Poland 1523

Sorex araneus

Dermanyssus hirundinis, Poland 1995

ectoparasites, Poland 2467

Ixodidae, Czechoslovakia 1569

Mesostigmata, Czechoslovakia 307

Siphonaptera

Czechoslovakia 66

Spain 5519

Trachytes pauperior, Poland 673

Sorex bendirii, *Protomyobia atophyracis*,

USA 1591

Sorex isodon (see *S. sinalis*)

Sorex minutus

ectoparasites, Poland 2467

Ixodes, USSR 1984

Trombiculidae, USSR 2005

Sorex sinalis, *Ix*

South Africa cont.

- Aedes durbanensis* 505
Amblyomma 5832, 5841-5842, 5849
Amblyomma hebraeum 5835, 5844
Anopheles arabiensis 5529
Anopheles gambiae 1385, 1387
Anopheles gambiae complex 164
arboviruses, epidemiology 2049
Boophilus decoloratus 1577
Ceratopogonidae 5641
Cimex 924
Coleoptera, poultry housing 601
Coxiella burnetii, epidemiology 4922
Culex neavei 5577
Culex quinquefasciatus 5129
Culicidae 506, 5585
Dorylus helvolus 5793
Drosophilidae 3078
dung beetles 597, 3741
Gasterophilus 1083
Gymnopleurus virens 3733
insecticidal plants 4977
Iridomyrmex humilis 1520
Ixodes rubicundus 666, 1141, 1551, 2511
Ixodidae 4808, 5806, 5848
Lagarosylla 498
Lucilia 226
Lucilia cuprina 5744-5745
Lyme disease, epidemiology 4905, 4921
Musca 1453
Orbivirus, epidemiology 1184
Peckolus alpinus 596
pit latrines, insects 4608-4609
plague, epidemiology 5376
Polyrhachis schistacea 274
Rhipicephalus appendiculatus 4812
Rickettsia conorii, epidemiology 5930
sheep, ectoparasites 2507
South African Institute for Medical Research, history 2843
Tarsopolipus 3189
taxonomy 1-3
West Nile virus 4401

South America

- Apis mellifera* 3765
entomology, research institutes 4518
Formicidae 2462
Triatominae 47
bibliographies 3538, 4084

South East Asia

- dengue haemorrhagic fever, epidemiology 711
entomology, identification services 2845

South Georgia, *Zachvatkinia* 2018South Orkney, *Philoceanus robertsi* 4575

Spain

- Acari 5855-5856
African horse sickness virus, epidemiology 3903
animals, ectoparasites 5459
Aphodius 5777
cattle dung, fauna 1501
dung beetles 1926, 3096-3097, 4259, 4751, 5776, 5778
Heteroptera 5507
Hypoderma lineatum 2414
Ixodes frontalis 5822
Ixodidae 5825
Lepus capensis, parasites 2468
Lyme disease, epidemiology 365
Macronyssus longimanus 4316
Mallophaga 5485
Oestrus oviv 4732
Onthophagini 1925
Ornithodoros erraticus 4806
Pediculus capitis 5489-5490
pesticide residues, meat 1282
Phlebotominae 1853, 5649-5650
Phlebotomus perniciosus 5645
Polyplax serrata 5488
Rhipicephalus pusillus 3174
Siphonaptera 5519

Spalangia

- ecology, seasonal abundance 1505
poultry housing, USA 1505

Spalangia cameroni

- cattle housing, USA 1936
control, Muscidae 3056
dairies, USA 4220

Spalangia cameroni cont.

- hosts
Musca domestica, parasitism 2443
Muscidae 4220
methoprene, effects, sex ratio 4267
poultry housing, manure management 1457
reproduction, sex ratio 2443

Spalangia endius

- control
Musca domestica 1936
Muscidae 3056, 5705
dairies, USA 4220
hosts
Diptera 5269
Muscidae 4220
poultry housing
India 3759
manure management 1457

Spalangia nigra, cattle housing, USA 1936

- Spalangia nigroaenea*
cattle housing, USA 1936
dairies, USA 4220
hosts, Muscidae 4220
poultry housing, manure management 1457

Spartan (see Permethrin)

Spartina alterniflora

- Culicoides, USA 1013, 3617, 4666
unimolecular films, effects 2786
Spelaomyia, taxonomy, taxonomic status 3631

Spelaophlebotomus, taxonomy, taxonomic status 3631

Speolepta leptogaster, cellars, UK 4244

Spermophilus dauricus

- Haemaphysalis*, Mongolia 1572
Siphonaptera, China 2210

Spermophilus lateralis, Bunyaviridae, USA 4377

Spermophilus musicus, Siphonaptera, USSR 1786

Spermophilus pygmaeus, Trombiculidae, USSR 2005

Spermophilus suslicus, ectoparasites, Poland 1996

Spermophilus undulatus, *Yersinia pestis*, USSR 2620Spermophilus variegatus, *Oropsylla montana*, USA 1204

Sphaerididae, entomophilic nematodes, Poland 3330

Sphaeridium, cattle dung, Canada 251

Sphaeridium bipustulatum, taxonomy, nomenclature 5781

Sphaeridium marginatum, taxonomy, validity 5781

Sphaerobothria hoffmanni, venoms, biochemistry 5343

Sphaerocera scabricula, distribution, Romania 4740

Sphaerocera vaporariorum, distribution, Romania 4740

Sphaeroceridae

- animal burrows, UK 4245
distribution, Scandinavia 2427

Sphaerodema nepoides, behaviour, predation 1341

Sphaerodema urinator, prey, *Culex pipiens*, predation 4160Sphaerolavicide (see *Bacillus sphaericus*)Sphecochaga vesparum burra, control, *Vespula* 3123Sphecochaga vesparum vesparum, control, *Vespula* 3123

Sphegigaster

- control
Musca domestica 1936
Muscidae 3056

Sphenomorphus jobiensis, Trombiculidae, Papua New Guinea 4817

Sphinctosylla ares

- Abrothrix brachyotis*, Chile 4363
Psylloglyphus chiliensis, phoresy 4363

Sphodrus leucophthalmus, poultry housing, German Federal Republic 1929

Sphyrion lumpi, marine fishes, Atlantic Ocean 1619

Spilanthes acmella, extracts, *Periplaneta americana* 479

Spilopsyllus cuniculi

- cats, skin diseases 2203, 4155, 4599
control, insecticides 2203
Mustela erminea hibernica, Irish Republic 922
myxoma virus, UK 3547

Spinanoetus, *Necrophorus*

- quadripunctatus*, phoresy 5853

Spiniphora, ecology, phenology 5769

Spinturnicidae, Desmodontinae, America 3235

Spinturnix

- Plecotus mexicanus*, Mexico 5323
Scotophilus heathii, China 3542
taxonomy, legs, chaetotaxy 4315

Spinturnix acuminatus, Chiroptera, German Democratic Republic 304

Spinturnix americanus, Chiroptera, USA 5516

Spinturnix bakeri, Chiroptera, USA 5516

Spinturnix dasycnemi, taxonomy, redescription 4314

Spinturnix kolenatii, Vespertilionidae, Poland 678

Spinturnix myoti, Chiroptera, German Democratic Republic 304

Spinturnix mystacinus, Chiroptera, German Democratic Republic 304

Spinturnix nobleti

- Pipistrellus savii*, Europe 4318
taxonomy, new species 4318

Spinturnix plecotinus

- Chiroptera, German Democratic Republic 304
Vespertilionidae, Poland 678

Spinturnix tylonycteris

- taxonomy, new species 4317
Tylonycteris, Malaysia 4317

Spiroplasma

- enzymes, cloning, gene expression 2697
taxonomy, classification 2698

Spodoptera frugiperda

- cell lines
bluetongue virus, gene expression 2600
human immunodeficiency virus, infections 3891

Sprayers, pesticides, decontamination 2723

Spraying

- aerosols, pesticides, buffer zones 798
pesticides
application methods 2727
safety 2726

Sputop-S (see Deltamethrin)

Sri Lanka

- Anopheles* 167, 2945, 5170
Bengalia lateralis 4723
Crematogaster dohrni 3137
Culex quinquefasciatus 2973
Culicidae 1379, 1814-1815, 2328
Diptera, scientific expeditions 5458
Heizmannia greenii 1386
malaria, epidemiology 1850, 2238
organophosphorus insecticides, poisoning 427
pesticides, poisoning 431
Phlebotomus argentipes 2357
Scorpionyssus heterometrus 4820
Siphunculina 5764

Staphylinidae

- cattle dung
China 5718
South Africa 597
caves, Venezuela 3101
taxonomy, keys, Turkey 4090

Staphylinus olens, prey, *Calliphora*, predation 604

Staphylococcus, Silphidae, isolation 1502

Staphylococcus aureus

- Demodex folliculorum*, associations 5324
sheep 1546
vectors, *Ixodes ricinus*, mechanical transmission 1546

Statistical analysis, taxonomy 2861

Stealtonyssus, *Scotophilus heathii*, China 3542Steatoda triangulosa, prey, *Solenopsis invicta* 1119

Steatonyssus, Chiroptera, German Democratic Republic 304

- Steatonyssus occidentalis*, Chiroptera, USA 5516
- Steatonyssus occidentalis evansi*, Vespertilionidae, Poland 678
- Steatonyssus periblepharus*, Chiroptera, German Democratic Republic 304
- Steatonyssus spinosus*, Chiroptera, German Democratic Republic 304
- Steatornis caripensis*, caves, Coleoptera, Venezuela 3101
- Steganacaridae**
taxonomy
catalogues 316
keys 316
- Steganopus tricolor*, ectoparasites, USA 2186
- Stegopterna mutata*
behaviour, feeding behaviour 186
ecology, larvae, habitats 3634
hosts, USA 2359
streams, Canada 5658
- Steinernematidae**, symbionts, *Xenorhabdus* 4485-4486
- Stenotarsonemus pashini*, man, allergies 1998
- Stenonema*, *Bacillus thuringiensis*, effects 2358
- Stenoponia sinensis*, taxonomy, nomenclature 1347
- Stenotabanus brodzinskyi*
amber, Dominican Republic 3038
taxonomy, new species 3038
- Stephanocircidae**, taxonomy, morphotaxonomy 2206
- Stephanofilaria*, vectors, Muscidae, Brazil 2379
- Stephanofilaria assamensis*, vectors, *Musca autumnalis*, India 4713
- Sterile insect release**
Cochliomyia hominivorax 4721, 5234
Libya 4232
Culex tarsalis 1833
Hypoderma 5250
integrated control, models 1244
mathematical models 1243
trapping, pest control, models 3337
- Sternostoma tracheacolum*
aviary birds, respiratory diseases 2019
control, acaricides 1171, 2019
- Stictochironomus*, rivers, Japan 244
- Stictochironomus histrio*, biochemistry, electrolytes 5766
- Stilobezzia*, taxonomy 554
- Stilobezzia collessi*, taxonomy, new species 5983
- Stilobezzia dycei*, taxonomy, new species 5983
- Stilolucicoides*, taxonomy, new genus 5983
- Stings**
Apidae, man 3120
Apis mellifera
man 1939, 2119
nephrotic syndrome 3117
arthropods, man 784-786
Buthotus tamulus, man 2037
Centruroides, man, Mexico 334
Hymenoptera
man 265, 3118
reviews 5782
treatment 1511
insects
man 3305
treatment 3936
Solenopsis, man 4771
Solenopsis invicta
man 3780
treatment 375
Vespa orientalis, man 1941
- Stirofos** (see *Tetrachlorvinphos*)
- Stizostedion lucioperca*, parasites, Poland 4870
- Stomoxin** (see *Permethrin*)
- Stomoxin P** (see *Permethrin*)
- Stomoxys*, buffaloes, wallowing 2659
- Stomoxys calcitrans**
anatomy, muscles, ovaries 4698
animal housing, New Zealand 3056
azadirachtin, toxicity 2386
Bacillus anthracis, mechanical transmission 1881
- Stomoxys calcitrans** cont.
behaviour
flight, activity 3055
regurgitation 1192
biochemistry
digestion, sterols 576
enzymes, assays 5456
midgut, proteinases 3660
bovine oncovirus, transmission 3239
cattle
control, polyfluoro-1,3-diketones 3357
Italy 5717
Ryukyu Archipelago 5232
USA 4221, 4700
cattle dung, China 5718
cattle housing, USA 1473, 3055, 5224
control
biological control 3056, 5705
environmental management 5224
integrated control 4216
manure management 5225
traps 4221
USA 4224
dairies, USA 4216, 4220, 5225, 5705
diets, blood 575
Ehrlichia risticii, USA 2606
equine infectious anaemia virus,
mechanical transmission 1632
histochemistry, digestion 4694
horses, USA 893
human immunodeficiency virus, transmission 1192
livestock, Thailand 5103
molecular genetics, repetitive DNA 1809
monitoring, cylinder traps 1470
morphology, mouthparts 217
natural enemies, USA 4696
Parabronema skrjabini, USSR 2378
parasitoids 4220
parasitism 4757
physiology
feeding 217
haemolymph 3060
muscles, ovaries 4698
nutrition, reproduction 1883
predators 1456
predation 3752
rabbit housing, control 4223
salinity, tolerance 5707
sampling 4700, 5706
ultrastructure, nervous system, accessory glands 5723
ultraviolet radiation, attractancy 4222
- Storage mites**, man, allergies, diagnosis 1164
- Stratiomyidae**, cattle dung, China 5718
- Streblidae**, Desmodontinae, America 3235
- Strepera versicolor*, *Menacanthus dennisi*, Australia 2898
- Streptococcus**
Silphidae, isolation 1502
vectors, Formicidae, Trinidad and Tobago 5791
- Streptomyces cyaneogriseus*, antibiotic insecticides 4501
- Streptomyces cyaneogriseus* subsp. *noncyanogenus*, antibiotic insecticides 3348
- Streptomyces griseus*, antibiotic insecticides 3342
- Streptopelia chinensis*, St. Louis encephalitis virus, USA 1186
- Strigiphilus aitkeni*, *Tyto alba*, USA 1918
- Strigiphilus crucigerus*, *Otus*, South America 4577
- Strigiphilus cursitans*, *Strix butleri*, Israel 4577
- Strigiphilus garylarsoni*
Otus leucotis, Africa 4577
taxonomy, new species 4577
- Strigiphilus otus*, Strigidae, North America 4577
- Strigiphilus petersoni*
Ninox punctulata, Indonesia 4577
taxonomy, new species 4577
- Strigiphilus schamskei*
Bubo coromandus, India 4577
taxonomy, new species 4577
- Strigiphilus syrnii*, *Strix rufipes*, Chile 4577
- Strix aluco*, *Ixodes arboricola*, Poland 1995
- Strix butleri*, *Strigiphilus cursitans*, Israel 4577
- Strix rufipes*, *Strigiphilus syrnii*, Chile 4577
- Strongyloides*, intermediate hosts, *Gymnopleurus virens*, South Africa 3733
- Strongyloneura prolata*, distribution, Bangladesh 5730
- Sturnidoecus ruficeps*, *Passer montanus*, Italy 3531
- Sturnira lilium*, *Periglischrus ojusti*, Brazil 3188
- Sturnophagoides*, taxonomy, nomenclature 3401
- Sturnophagoides brasiliensis*
ecology 3401
taxonomy, synonyms 3401
- Sturnophagoides halterophilus*, taxonomy, nomenclature 3401
- Sturnus philippensis*, *Protocalliphora*, Japan 3691
- Sturnus vulgaris*
ectoparasites, Poland 1995
nesting, plants, ectoparasiticide 3828
nests, *Gnathonus schmidtii*, Czechoslovakia 3751
- Stylosanthes scabra*, control, *Boophilus microplus* 4289
- Suburban areas**, Culicidae, USA 4644
- Sudan**
Anopheles 1825
Cephalopina titillator 584
Hipposiderobia 3834
livestock, pesticides, poisoning 2782
Oestrus ovis 1491
Rift Valley fever virus, epidemiology 5359
- Suidasia nesbitti*, buildings, Poland 1595
- Suidasia pontifica*, fish, Senegal 4362
- Suillia*, cattle, Italy 5717
- Sula bassani*, *Pectinopygus bassani*, Italy 3531
- Sulcinephia**, entomophilic nematodes 2710
- Sulcinephia filidistans*, taxonomy, synonyms 2361
- Sulcinephia galinae*, taxonomy, new species 2361
- Sulcinephia ovtshinnikovi*, taxonomy, nomenclature 2361
- Sulcinephia sulcata*, taxonomy, nomenclature 2361
- Sulcinephia tungus*, taxonomy, nomenclature 2361
- Sulcinephia viculinae*, taxonomy, new species 2361
- Sulfidofos** (see *Fenthion*)
- Sulfidophos** (see *Fenthion*)
- Sulfuramid**, control, nuisance pests 2184
- Sulfur**
control
Demodex 1586
Sarcoptes scabiei 688, 2542
formulations, physicochemical properties 2751
fumigants, safety 846
pesticides, analytical methods 3391
poisoning
cattle 2785
man, USA 1278
- Summer mastitis**
cattle, Denmark 1474
vectors, Diptera, Denmark 1358
- Suncus caeruleus*, *Xenopsylla cheopis*, India 2205
- Suncus murinus*
Leptotrombidium jishoum, China 5857
Xenopsylla cheopis, India 2205
- Supella longipalpa**
baits, feeding behaviour 1748
physiology
behaviour, corpora allata 3517
juvenile hormones, biosynthesis 3518
reproduction, nutrition 4562
Trichospirura leptostoma, animal housing 4572
- Supella supellectilium* (see *S. longipalpa*)

- Surinam**
Anopheles darlingi 989, 2274-2275
Aralichus 3213
Diptera 72
- Surveys**
attitudes
Culicidae, bites 98
filariasis, Philippines 779
malaria 3579
questionnaires
attitudes, pest control 2273
malaria, prophylaxis 517
service requests, Culicidae, control 963
- Sus barbatus**, *Dermacentor steini*, South East Asia 1561
- Sus celebensis**, *Dermacentor steini*, South East Asia 1561
- Sus scrofa**
Dermacentor steini, South East Asia 1561
Erve virus, France 2593
Sarcoptes scabiei, skin diseases 4844
- Sus scrofa domesticus** (see Pigs)
- Susanomira**, taxonomy, new genus 239
- Susanomira caucasica**
horse dung, USSR 239
taxonomy, new species 239
- Swamps**, *Anopheles gambiae*, Kenya 2333
- Swaziland**, *Anopheles gambiae* 1387
- Sweden**
Aedes 4639
Aedes communis 250
air pollution, pesticide residues 2796
cattle, Diptera 208
Chironomus 1098
Chironomus plumosus 4747
Culicidae 4188
Dermatophagoides 5866
fauna, identification 2116
Macropelopia notata 3944
Minilimosina 5757
Ockelbo virus, epidemiology 5357
Palembus dermestoides 1103
Sphaeroceridae, checklists 2427
tularemia, epidemiology 3252
Zuscamira inexpectata 239
- Sweet itch**
horses
Culicoides 1428, 3623
Culicoides imicola 3622
monitoring 2345
- Swine** (see Pigs)
- Switzerland**
Agabus nigroaeneus 254
Dermatophagoides pteronyssinus 4353
Diptera 5522
dwellings, pests 2202
Mesostigmata 4321
Necrophorus 4261
Rickettsia conorii, epidemiology 5927
Spinturnix nobleti 4318
- Sylvilagus audubonii**, ectoparasites, USA 65
- Sylvilagus floridanus**
ectoparasites, USA 5317
Ixodes, USA 2488
Ixodidae, USA 1573, 1981
- Symbiosis**, insects, reviews 3477
- Sympetrum corruptum**, prey, *Culex tarsalis* 2963
- Sympetrum flaveolum**, ecology, food conversion 2466
- Sympetrum scoticum**, ecology, food conversion 2466
- Symphyla**, entomophilic nematodes 3972
- Symphytonathidae**, taxonomy, keys, Australia 3222
- Symploce obtusifrons**, taxonomy, nomenclature 2878
- Synaphobranchus brevidorsalis**, Crustacea, Pacific Ocean 3872
- Synceros caffer**
Amblyomma
Ivory Coast 3786
South Africa 5832
Chrysops, Congo 1043
Cowdria ruminantium, Zimbabwe 4807
- Syncuaria squamata**, intermediate hosts, *Cyclocypris*, development 4370
- Synoea septentrionalis**, nests 615
- Synosternus burtoni**
distribution, Somalia 5520
taxonomy, females 5520
- Synosternus somalicus**, distribution, Somalia 5520
- Synphlebotomus**, taxonomy, phylogeny 3631
- Syria**, *Oeciacus hirundinis* 1340
- Syringanoetus vandenberghi**, hosts, Sphaeroceridae 4313
- Syrphidae**
cattle dung, China 5718
Palaeartic Region, catalogues 2824
- T-2 toxin**, toxicity, *Aedes aegypti* 5565
- Tabanidae**
Anaplasma, USA 3924
Bacillus anthracis, Chad 2629
bovine oncovirus, France 3902
cattle
Denmark 1358
Italy 5717
cattle housing, Yugoslavia 5409
control
insecticides 2248, 5409
traps 4221
diphenyl oxide, repellents 1237
distribution
Japan 5668-5669
Saudi Arabia 1444
Ehrlichia risticii, USA 2606
marshes, Canada 73
mountains, Czechoslovakia 196
Odocoileus virginianus, USA 3637
Palaeartic Region, checklists 3045
reindeer, USSR 2248
sampling 5638
Trypanosoma theileri, USA 3637
- Tabanus**
aquatic plants, Nigeria 5044
bovine oncovirus, France 3638
distribution
Thailand 5209
Turkey 2368
equine infectious anaemia virus, mechanical transmission 1632
horses
hypersensitivity 5185
USA 893
water reservoirs, USSR 1849
- Tabanus abactor**
biochemistry, cuticle, hydrocarbons 5211
cattle, USA 2367
ecology, population ecology 2367
- Tabanus abdominalis**, biochemistry, cuticle, hydrocarbons 5211
- Tabanus atratus**
behaviour, feeding behaviour, honeydew 3040
biochemistry, cuticle, hydrocarbons 5211
- Tabanus autumnalis**, distribution, Portugal 5674, 5677-5678, 5680, 5684
- Tabanus besti**, forests, Nigeria 1042
- Tabanus beguttatus**
distribution, Saudi Arabia 4685
Nigeria 1042
- Tabanus bivari**, taxonomy, new species 5673
- Tabanus brancoi**, taxonomy, new species 5682
- Tabanus brassfortei**
distribution, Portugal 5676
taxonomy, synonyms 5676
- Tabanus bromius**, distribution, Portugal 5675, 5680, 5682
- Tabanus bromius bromius**, forests, USSR 195
- Tabanus calens**, biochemistry, cuticle, hydrocarbons 5211
- Tabanus chrysurus**
cattle, Japan 5213
distribution, Japan 5670
ecology, seasonal abundance 5213
forests, Japan 5686
- Tabanus conformis**, forests, Nigeria 1042
- Tabanus conterminus**, behaviour, feeding behaviour, honeydew 3040
- Tabanus cordiger**, distribution, Portugal 5675, 5677, 5680
- Tabanus darimonti**, distribution, Portugal 5673
- Tabanus eggeri**, distribution, Portugal 5684
- Tabanus equalis**, biochemistry, cuticle, hydrocarbons 5211
- Tabanus exclusus**, distribution, Portugal 5675, 5680
- Tabanus fulvemedioides**
cattle, Japan 5667
horses, Japan 1039
- Tabanus fuscicostatus**
bovine oncovirus
mechanical transmission 1443
transmission 1044
cattle, USA 1441
ecology, parous rates, host availability 1441
- Tabanus grata**, Nigeria 1042
- Tabanus hinellus**
behaviour, feeding behaviour, honeydew 3040
taxonomy, validity 1862
- Tabanus kathmanduensis**, taxonomy, new species 5671
- Tabanus katoi**, horses, Japan 1039
- Tabanus kinoshita**, cattle, Japan 5213
- Tabanus kurahashii**, taxonomy, new species 5671
- Tabanus limbatinevis**, biochemistry, cuticle, hydrocarbons 5211
- Tabanus lineola**
behaviour, feeding behaviour 2366
sibling species, taxonomy, identification 1862
- Tabanus lineola hinellus**, taxonomy, nomenclature 1862
- Tabanus luizae**, distribution, Portugal 5673, 5675, 5678-5679
- Tabanus lunatus**, distribution, Portugal 5679
- Tabanus maculicornis**
distribution, Portugal 5682
entomophilic nematodes 3969
forests, USSR 195
- Tabanus mateusi**, taxonomy, nomenclature 5676
- Tabanus medionotatus**, Nigeria 1042
- Tabanus megalops**, livestock, Thailand 5103
- Tabanus melanocerus**, attractants 3039
- Tabanus miki**
distribution, Portugal 5673, 5680
entomophilic nematodes 3969
forests, USSR 195
- Tabanus molestus**, attractants 3039
- Tabanus mularis**, biochemistry, cuticle, hydrocarbons 5211
- Tabanus nemoralis**, distribution, Portugal 5673-5674, 5679
- Tabanus nigripes**, biochemistry, cuticle, hydrocarbons 5211
- Tabanus nigrovittatus**
attractants 2271
behaviour, feeding behaviour, honeydew 3040
physiology, chemoreceptors, electrophysiology 3041
- Tabanus nipponicus**
cattle, Japan 5213, 5667
distribution, Japan 5670
ecology, seasonal abundance 5213
horses, Japan 1039
- Tabanus nyasae**, Nigeria 1042
- Tabanus pallidiventris**, horses, Japan 1039
- Tabanus quadrisignatus**, distribution, Guinea-Bissau 5683
- Tabanus rectus**, distribution, Portugal 5673
- Tabanus regularis**, distribution, Portugal 5673, 5680
- Tabanus riyadhae**, taxonomy, new species 1444
- Tabanus rubidus**, livestock, Thailand 5103
- Tabanus rufidens**
cattle, Japan 5213
horses, Japan 1039
- Tabanus rufiscutellatus**, livestock, Thailand 5103
- Tabanus rupium**, entomophilic nematodes 3969

- Tabanus sackeni*, behaviour, host-seeking behaviour 1041
- Tabanus sapporoensis*, cattle, Japan 5213
- Tabanus secedens*, forests, Nigeria 1042
- Tabanus similis*, behaviour, feeding behaviour 2366
- Tabanus striatus*, livestock, Thailand 5103
- Tabanus stygius*, biochemistry, cuticle, hydrocarbons 5211
- Tabanus sudeticus*, distribution, Portugal 5675, 5678, 5682
- Tabanus sulcifrons*, biochemistry, cuticle, hydrocarbons 5211
- Tabanus taeniola*, distribution, Saudi Arabia 4685
- Tabanus tendeiroi*
distribution, Portugal 5673, 5677-5679, 5684
taxonomy, redescription 5677
- Tabanus thoracinus*, Nigeria 1042
- Tabanus tinctus*, distribution, Portugal 5675
- Tabanus venustus*, biochemistry, cuticle, hydrocarbons 5211
- Tachea chinensis*
hosts, *Vibrio* 3871
Palaemon paucidens, Japan 3871
- Tachinaephagus zealandicus*, hosts, *Protophthora* 4233
- Tachinaephagus zealandius*, control, Calliphoridae 3071
- Tachinidae, man, myiasis 592
- Tachypompilus*, taxonomy, keys 636
- Tadarida ansorgei*, *Lagarosylla anciauxi*, South Africa 498
- Tadarida midas*, *Lagarosylla hoogstraali*, South Africa 498
- Tadarida teniotis*, Nycteribiidae, USSR 5765
- Taenia hydatigena*, vectors, Calliphoridae, transmission, ingestion 3075
- Taenia pisiformis*, vectors, Calliphoridae, transmission, ingestion 3075
- Tagetes minuta*, extracts, *Mesocyclops leuckarti* 4873
- Tagetes patula*, extracts, *Mesocyclops leuckarti* 4873
- Tahyna virus**
arthropods, Czechoslovakia 1634
birds, Czechoslovakia 354-355, 714
epidemiology, reviews 729
man
Uganda 2050
USSR 1010
vectors
Aedes
Europe 3899
USSR 1010
Aedes aegypti, transmission 2326
Culicidae, Sweden 4188
- Tail tapes**
cattle, Ixodidae 4808
horses, *Haematobia irritans* 3054
- Taiwan**
Aedes alcasidi 5156
Ancistroplax taiwanensis 1762
Argas robertsi 3159
Blattella germanica 5476
Boettcherisca 1899
Coproica 1088
Culicoides 5182
filariasis, epidemiology 2992
Periplaneta americana 4130
Siphunculina 5764
- Taktik** (see Amitraz)
- Talpa caeca*, Siphonaptera, Spain 5519
- Talpa europaea*
Erve virus, France 2593
Ixodidae, Czechoslovakia 1569
Siphonaptera, Czechoslovakia 66
- Tamiasciurus hudsonicus*
ectoparasites, USA 5317
Ixodidae, USA 1981
- Tanytus*, predators, UK 5267
- Tanytus neopunctipennis*, ecology, thermal effluent, effects 1495
- Tanytus punctipennis*
lakes, Japan 1089
mites, parasitism 314
- Tanytarsini*, growth regulators, efficacy 1086
- Tanytarsus*, wetlands, USA 1709
- Tanytarsus lactescens*, mites 1494
- Tanytarsus oyamai*, lakes, Japan 1089
- Tanytarsus takahashii*, water quality, biological indicators 5261
- Tanytarsus tamagotai*, water quality, biological indicators 5261
- Tanytarsus tamaundecimus*, rivers, Japan 244
- Tanzania**
Aedes josiahae 2937
Anopheles 954, 1825, 2318, 4156
Babesia, epidemiology 776
Borrelia 4906
Copris 1101
Culicidae 5562
Glossina, control, research 3047
Hemidactylus mabouia, parasites 3880
malaria, control 1006
Metastigmata 1976
Oestrus ovis 2409
trachoma, epidemiology 2055, 3916
- Tapacura mexicana*, taxonomy, new species 5738
- Tapinoma melanocephalum*, dwellings, USA 3142
- Tapinoma sessile*, bacteria, Trinidad and Tobago 5791
- Tarichium azygosporicum*
hosts, Acari 2705
taxonomy, new species 2705
- Tarichium distinctum*
hosts, Acari 2705
taxonomy, new species 2705
- Tarichium hyalinum*
hosts, Acari 2705
taxonomy, new species 2705
- Tarichium monokaryoticum*
hosts, Acari 2705
taxonomy, new species 2705
- Tarichium svalbardense*, hosts, Acari 2705
- Tarichium tenuisculpturatum*, hosts, Acari 2705
- Tarichium verruculosum*
hosts, Acari 2705
taxonomy, new species 2705
- Tarsonemidae**
cattle dung, USA 2521
control, environmental management 323
dwellings, Japan 323
- Tarsonemoides noxius*, mice, skin diseases 1587
- Tarsopolipus*, taxonomy, revision 3189
- Tarsopolipus bisetalus*
Scarabaeus, Africa 3189
taxonomy, new species 3189
- Tarsopolipus hallidayi*
Scarabaeidae, Africa 3189
taxonomy, new species 3189
- Tarsopolipus massai*
Scarabaeus semipunctatus, Italy 3189
taxonomy, new species 3189
- Tataguine virus**, epidemiology, reviews 728
- Tatera indica*, *Xenopsylla cheopis*, India 2205
- Tatera leucogaster*, *Yersinia pestis*, South Africa 5376
- Taxigramma heteroneura*, distribution, India 2398
- Taxonomy**
Acari, new species 4822
Acrolophus pholeter, new species 3106
Aedes aegypti, morphotaxonomy, variation 2296
Aedes axitiosus, new species 5581
Aedes cataphylla, redescription 5569
Aedes josiahae, new species 2937
Aedes kanarensis, larvae 5583
Aedes longifilamentus, new species 5556
Aedes mediovittatus, morphotaxonomy, eggs 1366
Agabus, revision 5266
Akodonacarus, new genus 3194
Aleuroglyphus zaheri, new species 2013
Amblyomma
chemotaxonomy 1969
validity 5819
Amblyomma subluteum, validity 5817
- Taxonomy cont.**
Amblyomma superbum, validity 5818
Ancistroplax, new species 1762
- Anopheles**
chemotaxonomy 5137
classification 4183
redescription 2978
Anopheles chiriquiensis, validity 4181
Anopheles culicifacies, cytotoxonomy 1003
Anopheles dirus
cytotoxonomy 88
sibling species, morphotaxonomy, eggs 2300
Anopheles gambiae
identification 1385, 1387
DNA probes 3566
Anopheles minimus, chemotaxonomy 983
Anopheles quadrimaculatus
sibling species 1812
chemotaxonomy 1821, 3560
cytotoxonomy 942
identification 2272
chemotaxonomy 3568
cytotoxonomy 3569
DNA probes 3567
- Anoplura, nymphs 1758
- Antennoseius hyperboreus*, new species 2517
- Aphodius* 5265
Korea Republic 3736
new species 4256
- Apidae, larvae, catalogues 1510
- Apis mellifera*
chemotaxonomy 1937
identification
DNA probes 3766
subspecies 3765
- Aptilotus longinervis*, new species 5262
- Aralichus*, new species 3213
- Araneae, books 1290
- Arrenurus*, larvae 5322
- Arrenurus kitchingi*, new species 5319
- arthropods
identification, conferences 3443
numerical taxonomy 1703
types, Australia 5453
- Astigmata, identification, electrophoresis 2524
- Atelozomyia*, new genus 5672
- Australobothus*, new genus 5887
- Bakerdania*, new species 2001
- Blattellidae, redescription 4136
- Boophilus flavae*, new species 5816
- Braconidae, redescription 2442
- Calliphoridae, morphotaxonomy, eggs 1067
- Ceratopogonidae 554
new species 5641
- Ceratopogonini, revision 5983
- Ceroptera longicauda*, new species 3080
- Chilamblyopinus*, new genus 1503
- Chironomidae, nomenclature 2421
- Chironomus*
chemotaxonomy 5755
cytotoxonomy 243
- Cochliomyia hominivorax*, larvae, chaetotaxy 4728
- Coenosia ghilarovi*, new species 2384
- Colpocephalum holzenthali*, new species 2899
- Copris martinae*, new species 1101
- Crumomyia*, new species 2420
- Culex* 5577
biosystematics 4185
new species 4180
redescription 3582
Culex erikae, new species 528
Culex lactator, taxonomic status 3583
Culex lopesi, females 5586
Culex sacchetiae, redescription 1388
Culex territans, identification, larvae 4182
- Culicidae
chaetotaxy, wings 2977
nomenclature 525
type specimens, South Africa 5585
- Culicoides*, new species 2999, 5182, 5639

Taxonomy cont.

- Culicoides elemae*, new species 3619
Cummingsia izori, new species 1324
Dasyhelea johannseni group, revision 553
Dasyhelea schizothrix, new species 3618
Dermacentor, cytotoxonomy 5294
Diplocentrus, new species 2033
Diptera
 larvae 3063
 phylogeny 3418
Drosophilidae, tribes 1917
Euonitocellus cambeforti, new species 4253
Eupelmidae, classification 5271
Farrimyia, new species 5739
Fidena, males 5681
Forcipomyia, new species 5640
Fucellia, larvae 5692
Gahrlepiea dumogaensis, new species 4325
Geckobia, new species 2003
Geomydoecus
 new species 2901-2902
 revision 2900
Geomydoecus pygacanthi, new species 1326
Gigantodax
 new species 5204
 revision 3635
Gigantodax lazoi, new species 1439
Glossina austeni 5689
Glyptolaspis zaheri, new species 4310
Haemagogus, eggs 5578
Haemaphysalis
 nomenclature 3165
 phylogeny 4803
Haemaphysalis demidovae, new species 1572
Haematomyzus elephantis, morphotaxonomy 5480
Haematopota ribeiorum, new species 5680
Haematopota serranoi, new species 5679
Heizmannia greenii, redescription 1386
Herpetacarus baojiensis, new species 2523
Heteronychia, morphotaxonomy 2400
Holotaspella, new species 4311
Hoplopleura, new species 4582
Huiacola, new genus 5482
Huiacola extinctus, new species 5482
Hybomitra alegrei, new species 5674
Hypoderma bovis, chemotaxonomy 230
Hystrihopsyllidae, larvae 5101
insects
 identification, chemotaxonomy 3444
 types, Chile 4526
Ixodes ghilarovi, new species 2483
Ixodes ochotonae, synonyms 3156
Kaysius emersoni, new species 2896
Kleemannia, new species 4312
Leptotrombidium jishoum, new species 5857
Lilaea, revision 5685
Limnaporus, chemotaxonomy 5092
Lispe pakistanensis, new species 5697
Lotophila, revision 5258
Lucilia, larvae 226
Lutzomyia, chemotaxonomy 3003
Lutzomyia valderramai, new species 5644
Macronyssus longimanus, protonymphs 4316
Mallophaga 5484
 identification 1756
 morphotaxonomy 1751-1752
Margathea, revision 2878
Megaselia abdita, males 238
Melanomyia petiolata, new species 2397
Menacanthus dennisii, new species 2898
Mesonysus melloi, females 5854
Mesopsylla sagitta, new species 5513
methodology 2846
Minilimosina, new species 5757
Muscina arcuata, new species 5231
Myobiidae, revision 3834
Myrsidea ugandensis, new species 5483

Taxonomy cont.

- Nyctibicola*, new genus 4142
Odochilus, new species 5774
Onesia khasiensis, new combination 5730
Opalimosina pseudomirabilis, new species 5763
Ornithodoros puertoricensis, description 2486
Pangonius brancoi, new species 5678
Peckolus alpinus, new species 596
Pediculaster ghilarovi, new species 2520
Pediculus, chemotaxonomy 1761
Phaonia, new species 221
Phaonia aureolimaculata, new species 5691
Phaonia punctinerva, new species 2391
Phorbellia koreana, new species 1499
Phlebotominae, identification, computer techniques 4103
Phlebotomus, revision 3631
Phumosa, new species 5246
Phumosa viridis, new species 1071
Piezosimulium jeanninae, new species 1033
Pneumophagus, new genus 3195
Polistes stigma, subspecies 267
Polyplax serrata, morphotaxonomy 5488
Protocalliphora, larvae 4235
Protomyobia, new species 1591
Psilocnetha almae, new species 1859
Psorergates polonicus, new species 680
Psychodini, new genus 2415
Psylloglyphus chiliensis, new species 4363
Pyroglyphidae, revision 3401
Reduviidae, types, Finland 5083
Rhagio, new species 2369
Rhipicephalus, nomenclature 5820
Rhyncoptes grabberi, new species 2020
Sarcophaga, new species 5728-5729
Sarcophagidae
 new species 2398, 2401, 4231, 5738
 nomenclature 5731
 revision 2396
Sarcophaginae, revision 1064
Scarabaeidae, new species 4258
Schizocarpus, new species 4364
Scorpiones, new species 4859
Scorpionyssus, new genus 4820
Sepsidae
 new genus 239
 new species 5762
Sergentomyia, revision 5651
Simuliidae, new species 2363
Simulium
 new species 1434
 redescription 194
Simulium friedlanderi, new species 5666
Simulium guaporense, new species 5205
Simulium juxtacrenobium, new species 4203
Simulium keiseri, adults 185
Simulium metallicum
 morphotaxonomy, cytotypes 5664
 sibling species, cytotoxonomy 3633, 5203
Simulium oshimaense, new name 1030
Simulium sirbanum, cytotoxonomy 1440
Simulium squamosum, new subspecies 561
Siphonaptera
 morphotaxonomy 2206
 nomenclature 1347
Siphunculina, new species 5764
Sphaeridium marginatum, validity 5781
Sphaeroceridae, mites, new species 4313
Spinturnicidae, legs, chaetotaxy 4315
Spinturnix dasyncemi, redescription 4314
Spinturnix nobleti, new species 4318
Spinturnix tylonycterisi, new species 4317

Taxonomy cont.

- Stenotabanus brodzinskyi*, new species 3038
Strigiphilus, new species 4577
Sulcinephia, new species 2361
Synosternus burtoni, females 5520
Tabanidae, new species 5671, 5673, 5682-5683
Tabanus, chemotaxonomy 5211
Tabanus brassofortei, synonyms 5676
Tabanus lineola, sibling species, identification 1862
Tabanus riyadhae, new species 1444
Tarsopolipus, new species 3189
Tetragnatha, revision 2548-2549
Thomomydoecus, new species 3532
Thricops tetricus, new species 5693
Tityus, redescription 5888
Topomyia lindsayi, redescription 5557
Toxorhynchites okinawensis, new species 4643
Triatoma ryckmani, males 5086
Trichoecius widawaensis, new species 697
Trogidae, new species 4264
Trombiculidae, new species 2004, 3193, 4817
Udaya subsimilis, new combination 4184
Uranotaenia, larvae 163
Womersia midwayensis, new species 3192
Wyeomyia fernandezepzezi, new combination 5579
Yunkeracarus ascanicus, new species 5340
Zachvatkinia, new species 2018
zoology, South Africa 1-3
Tea plantations, *Crematogaster dohrni*, Sri Lanka 3137
Tea contraria, man, skin diseases 3305
Techniques
 age determination
 Cochliomyia hominivorax 5240
 Culicidae 4189
 Glossina 3049
 Hypoderma lineatum, larvae 1914
 anaesthesia, Araneae 2021
 analysis, Culicidae, food 1408
 assays
 carbohydrates, Culicidae 949
 Cowdria ruminantium, Metastigmata 2476
 chromatography, moulting hormones 3493
 collection
 arthropods 1714
 Coleoptera 1500, 1923
 detection
 Aedes taeniorhynchus, eggs 2310
 Anaplasma marginale, *Dermacentor* 1571
 Borrelia burgdorferi, *Ixodes ricinus* 2479
 Culicidae, proteins, antibodies 2329
 Dirofilaria immitis, Culicidae 1823
 fenvalerate, residues 802
 Hypoderma, ELISA 2407
 Leishmania donovani, *Phlebotomus* 2353
 Orbivirus, *Culicoides variipennis* 1424
 parasites, Culicidae 1361
 Phlebotominae, breeding places 3011
 Plasmodium, *Anopheles* 2993
 Plasmodium falciparum, *Anopheles stephensi* 2225
 tickborne encephalitis virus 356
 Vespula, antibodies 1942
 Yersinia pestis, Siphonaptera 1786
 determination
 emulsions, stability 818-819
 house dust mites, allergens 2532
 Ornithodoros moubata, vitellogenins 1576
 dissection, insects 2860
 electrophoresis
 methodology 4553
 sibling species, identification 3032

Techniques cont.

- estimation
Culicidae, survival 1399
haematophagous insects, survival 4186
insects, development 2866
evaluation, repellents, *Blattella germanica*, dispersal 5063
extraction, arthropods, soil 2863
force feeding, Phlebotominae 3628
forecasting, water flow 562
identification
 Anopheles, ELISA 5124
 blood-meals 3491
 Chironomus, electrophoresis 5755
illumination, insects, restraint 470
immunoassay, arthropod hormones 2157
immunological techniques
 books 2827
 insects 2152-2154
infection, *Simulium ornatum*, *Onchocerca lienalis* 1860
mark release recapture, data analysis 2163
marking
 aquatic invertebrates 5051
 Culicidae 896, 4612
 pigments 135
 Formicidae, larvae 4777
 insects, radioactive tracers 2865
mating, prevention, *Musca domestica* 5711
measurement, Araneae, webs, stickiness 2029
microscopy, insects 5047
monoclonal antibodies, *Aedes aegypti*, trypsin 1795
morphometry, Simuliidae 2362
preparation
 Lepidoptera, genitalia 1932
 Mallophaga, scanning electron microscopy 1328
 microscope slides, house dust mites 686
 scanning electron microscopy 2867
preservation
 animals, resins 2164
 aquatic invertebrates 1313
 Culicidae, electrophoresis 5548
purification, mellitin, chromatography 2448
quantification, entomogenous fungi, inoculum 2704
radioimmunoassay
 juvenile hormones 2156
 moulting hormones 2155
recording
 invertebrates, heartbeat 3492
 oviposition, *Aedes albopictus* 5132
remote sensing, insects, migration 4125
scanning electron microscopy
 Culicidae, preparation, eggs 1816
 insects 5048
soil biology, books 2121
sorting, insects 893, 5052
staining
 insects, neuromuscular system 5050
 Ixodidae, chromosomes 3801
surveillance, *Psorophora columbiae*, remote sensing 2249, 2278
X ray microscopy, insects 5047
Tectocephus, *Moniezia expansa*, Argentina 684
Teeburb, control, *Sarcoptes scabiei* 5335
Teftubenzuron (*N*-[[(3,5-dichloro-2,4-difluorophenyl)amino]carbonyl]-2,6-difluorobenzamide)
 chemistry, synthesis 1250
 control, *Culex* 86
 mode of action, insects 2090
Teftuthrin ((2,3,5,6-tetrafluoro-4-methylphenyl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate)
 metabolism, goats 2765
Tegenaria agrestis, man, envenomation, treatment 1612
Teknar (see *Bacillus thuringiensis* subsp. *israelensis*)
Telenomus capito, hosts, Triatominae 48

- Telenomus costalimai*, hosts, Triatominae 48
Telenomus farii, hosts, Triatominae 48
Telenomus farii rabinovichi, hosts, Triatominae 48
Telmatoscopus, tree holes, USA 11
Tembe virus, taxonomy, serotaxonomy 4888
Temephos (*O,O'*-(thiodi-4,1-phenylene) bis (*O,O*-dimethyl phosphorothioate))
 control
 Aedes 509
 Aedes aegypti 2330
 Aedes albopictus 5528, 5544
 Aedes vexans 5599
 Anopheles arabiensis 1837
 Culicidae 3242
 economics 540, 3331
 Simulium 4683
 formulations, controlled release, efficacy 2330
 resistance
 Culex, assays 4176
 Culex nigripalpus, USA 2295
 Culex pipiens, Japan 5152
 Culex quinquefasciatus 2973
 resistance mechanisms 2976, 5593
 Culex tritaeniorhynchus, Ryukyu Archipelago 5155
 Simulium, resistance mechanisms 3031
 susceptibility
 Aedes albopictus 5537
 Anopheles gambiae 5623
 Culicidae 5546
 Comoros 5632
 toxicity
 aquatic organisms 2787
 Cheyletus malaccensis 1153
Tempo (see Cyfluthrin)
Tendipes, aquatic plants, Nigeria 5044
Tenebrio molitor
 carrion, mercury 3743
 Pseudalanoplocephala crawfordi, China 5268
Tenebrio obscurus
 guano, USA 256
 Pseudalanoplocephala crawfordi, China 5268
Tenebrionidae, caves, Venezuela 3101
Tephramobia trixina, taxonomy, synonyms 2398
Terbufos (*S*-[[[(1,1-dimethylethyl)thio]methyl] *O,O*-diethyl phosphorodithioate])
 poisoning, cattle 5021
 residues, contamination, protective clothing 805
 toxicity, fowls 827
Termite mounds
 Phlebotominae
 Kenya 5187
 Thailand 5186
Terpineol, repellents, Culicidae 1237
 α -**Terthienyl**, toxicity, Culicidae 941
Tetanocera chosonenica, distribution, Korea 1499
Tetanocera ferruginea
 behaviour, predation 3712
 size, sexual dimorphism 3716
Tetanocera phyllophora, distribution, Poland 593
Tetisimulium condici (see *Simulium condici*)
Tetmosol soap, control, *Sarcoptes scabiei* 3210
Tetrachlorvinphos ((*Z*)-2-chloro-1-(2,4,5-trichlorophenyl)ethenyl dimethyl phosphate)
 control
 Bovicola ovis 4580
 Dermacentor variabilis 5300
 toxicity, insects 2169
Tetradecan-1-ol acetates, release, polymers, environmental factors 4506
Tetradium danielli, extracts, *Periplaneta americana* 5472
Tetragnatha, taxonomy, revision 2548-2549

- Tetragnatha montana*, prey, Culicidae, predation 702
Tetragnathidae, taxonomy, keys, Australia 3222
Tetrahymena, hosts, *Aedes sierrensis* 2315
Tetramethrin ((1,3,4,5,6,7-hexahydro-1,3-dioxo-2*H*-isoindol-2-yl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate)
 analogues, structure activity relationships 5954
Blattella germanica 4560
 effects
 γ -aminobutyric acid, receptors 4041
 arthropods, nervous system 5959
 benzodiazepine, receptors 4042
 nervous system 4043
 Periplaneta americana, nervous system 4126, 5954
 knockdown, *Musca domestica* 4013
 resistance, *Blattella germanica*, resistance mechanisms 3528
 toxicity
 arthropods 2091
 Cheyletus malaccensis 1153
 Ctenocephalides felis 1343
Tetramorium caespitum, venoms, effects, insects, neuromuscular system 3136
Tetraoponera, alkaloids, chemistry, synthesis 4773
Tetrastichus hagenowii (see *Aprostocetus hagenowii*)
Tetrastichus servadeii
 hosts
 Thaumetopoea bonjeani, parasitism 3109
 Thaumetopoea pityocampa 3104
 Italy 4759
Thailand
 Aedes 509, 4157, 5120
 Aedes aegypti 2296
 Anopheles 5150
 Anopheles dirus 2300, 4662-4663
 sibling species 88
 Anopheles minimus 983, 2316
 Anopheles sudaicus 535
 Armigeres theobaldi 173
 Boettcherisca 1899
 buffaloes, ectoparasites 376
 Culex quinquefasciatus 5109
 dengue haemorrhagic fever, epidemiology 5358
 dengue virus, epidemiology 3888, 4885
 Dermacentor steni 1561
 Diptera 5103
 dung beetles, checklists 4253
 filariasis, epidemiology 3932
 forests, arthropods 4123
 Haemaphysalis 3165
 Japanese encephalitis virus 710
 Luciola 3747
 malaria, control 4198
 pesticides, labelling 815
 Phlebotominae 5186
 rabbits, ectoparasites 3212
 Siphunculina 5764
 Tabanus 5209
Thaumetopoea bonjeani
 forests, Morocco 3109
 parasitoids, parasitism 3109
Thaumetopoea pityocampa
 biology 608
 mortality 3105
 parasitoids 3104, 3108
 Italy 4759
 sex pheromones
 inhibitors 4265
 synthesis 609
 ultrastructure, urticating hairs 259
Thaumetopoea processionea
 forests, Italy 3107
 parasitoids, parasitism 3107
Thebaine, effects, *Musca autumnalis*, electretinograms 4012
Theganosilpha, taxonomy, nomenclature 2878
Theganosilpha satsumana, distribution, Ryukyu Archipelago 907
Theileria
 livestock, India 774

- heileria** *cont.*
reports, International Laboratory for Research on Animal Diseases 1700
vectors, Ixodidae, transmission 4308
- heileria annulata**
cattle, chemoprophylaxis 4811
vectors
Hyalomma anatolicum
susceptibility 2510
transmission 3788
Ixodidae
Spain 5825
transmission 652
- heileria buffeli**
cattle, infection 303
vectors, *Haemaphysalis bancrofti*, transmission 3151
- heileria mutans**, vectors, Ixodidae, Cuba 4805
- heileria parva**
cattle
control 775
epidemiology, information systems 5313
Kenya 3793
prophylaxis, oxytetracycline 2645
vectors, *Rhipicephalus appendiculatus*, infection 1956
- heileria parva bovis**, vectors, *Rhipicephalus appendiculatus*, transmission 4804
- heileria parva parva**, vectors, *Rhipicephalus appendiculatus*, transmission 640
- heileria sergenti**
vectors
Haemaphysalis longicornis
infectivity 641
transmission, virulence 5309
Haemaphysalis mageshimaensis, transmission 2470
- helastoma basiri**
hosts, *Periplaneta americana* 2709
taxonomy, redescription 2709
- helastoma indiana**
hosts, *Periplaneta americana* 2709
taxonomy, redescription 2709
- helazia**, vectors, *Musca autumnalis*, India 4713
- helazia skrjabini**, vectors, *Musca autumnalis*, Canada 4714
- helohaniidae**
hosts, Simuliidae, Argentina 1027
virus-like particles 3944
- heobaldia longiareolata** (see *Culiseta longiareolata*)
- heobroma cacao**, Culicidae, Venezuela 5592
- herapeutic agents**, *Ornithodoros moubata*, anticoagulants 3814
- hereuonema hilgendorfi**, ultrastructure, chemoreceptors 3879
- herevidae**, Palaearctic Region, catalogues 3432
- heridiosomatidae**, taxonomy, keys, Australia 3222
- herinopsis richardsi**, taxonomy, nomenclature 5756
- herioplectes**, distribution, Turkey 2368
- herioplectes carabagensis**, entomophilic nematodes 3969
- herioplectes tricolor**, entomophilic nematodes 3969
- hermobia domestica**
anatomy, spiracles 4781
biochemistry
arachidonic acid, metabolism 1127
juvenile hormones 1124
physiology
development 1122
reproduction 1123, 1125-1126, 1128-1129
respiration 4781
precocene II, effects 1121
- hermocyclops**, distribution, America 3230
- hermocyclops emini**, *Dracunculus medinensis*, control, water filters 707
- hevetia peruviana**, extracts, *Anopheles stephensi* 1838
- hiemanniella**, phoresy, *Zygonyx iris* 3085
- Thienemanniella majuscula**, sewage effluent, Japan 245
- Thienemanimyia**, phoresy, *Zygonyx iris* 3085
- Thiobencarb**
nontarget effects, aquatic insects 826
toxicity, aquatic invertebrates 825
- Thiodan** (see *Endosulfan*)
- Thiourea**, chemosterilants, storage mites 2525
- Thogoto virus**
genomes, RNA, sequences 1628
vectors, *Rhipicephalus appendiculatus*, transmission 3811
- Thomomydoecus**, taxonomy, status 2897
- Thomomydoecus arleneae**
taxonomy, new species 3532
Thomomys talpoides, USA 3532
- Thomomydoecus barbarae**
taxonomy, new species 3532
Thomomys talpoides, USA 3532
- Thomomydoecus wardi**
taxonomy, redescription 3532
Thomomys talpoides, USA 3532
- Thomomys bottae**, *Geomydoecus*, USA 2897
- Thomomys mazama**, *Geomydoecus*, North America 2902
- Thomomys monticola**, *Geomydoecus*, North America 2902
- Thomomys talpoides**
Geomydoecus
North America 2902
USA 2897
Thomomydoecus, USA 3532
- Thormodseyjarklettur virus**, taxonomy, molecular genetics 2598
- Thrassis airidis**, *Sigmodon hispidus*, USA 41
- Thrassis bacchi**, *Yersinia pestis*, detection 1344
- Thricops coquillettii**, *Stomoxys calcitrans*, interspecific competition 1456
- Thricops tetricus**, taxonomy, new species 5693
- Thryonomys**, *Chrysops*, Congo 1043
- Thuringiensin**, control, *Ornithonyssus sylvium* 3827
- Thyrsocnema kentejana**, taxonomy, nomenclature 5731
- Thysanoptera**
books 862
medical entomology, Australia 3937
- Thysanura**
dwellings, Gambia 991
herbaria, control 2170
medical entomology, Australia 3937
- Tick collars**, dogs, *Dermacentor variabilis* 5300
- Tick paralysis**
Ixodes holocyclus
dogs 1526
man 5284
diagnosis 1142
salivary glands, allergens 4299
Ixodes rubicundus
Oryx gazella, South Africa 1141
sheep 666, 1551, 2511
Rhipicephalus evertsi, rabbits 4809
- Tickborne diseases**
control, integrated control 638
man 1148
- Tickborne encephalitis virus**
antigens, enzyme immunoassay 5897
arthropods, Czechoslovakia 1634
birds, Czechoslovakia 354-355, 714
enzyme immunoassay 356
epidemiology, reviews 754
genome, nucleotide sequence 5893
genomes, nucleotide sequences 4378
man
Austria 3183
Czechoslovakia 357
German Federal Republic 1191
USSR 353, 712, 2051, 2581-2582, 2586
vaccination 2580
Yugoslavia 4379
- mice**
infection, immunology 5898
infections, immunology 5896
- Tickborne encephalitis virus** *cont.*
rodents, Czechoslovakia 293
small mammals, Czechoslovakia 358
taxonomy
classification 2595
nomenclature 2585
vectors
Hyalomma anatolicum, infection 295
Ixodes persulcatus, USSR 1988, 2482
Ixodes ricinus
Austria 3183
Czechoslovakia 293
virions, antigenicity 295
- Tickborne fever**, vectors, *Ixodes ricinus*, UK 292
- Tilachlidium**, *Aedes*, USSR 161
- Tilapia**, control, *Anopheles arabiensis* 1837
- Tilapia mossambica**
chlorpyrifos, effects, nervous system 4508
DDT, effects, reproduction 4998
organophosphorus insecticides
effects, reproduction 4034
toxicity 5427
parathion-methyl, pharmacokinetics 5002
prey, Culicidae, India 539
- Tilapia spiluris**, control, Culicidae 4159
- Tillandsia elongata**, Culicidae, Venezuela 5592
- Tinaroo virus**, epidemiology, reviews 752
- Tinea pellionella**, development, environmental factors 607
- Tipula iridescent virus**, capsids, gene expression 2677
- Tipula paludosa**, insect viruses 2677
- Tissue culture**, *Periplaneta americana*, nervous system 4567
- Tityus bahiensis**, biology, development 5889
- Tityus charalaensis** 5888
- Tityus engelkei**, taxonomy, redescription 5888
- Tityus gasci** 5888
- Tityus melanostictus**, taxonomy, redescription 5888
- Tityus raquelae**, taxonomy, new species 4859
- Tityus serrulatus**, toxins, binding, central nervous system, insects 2032
- Tityus strandi** 5888
biology, development 2036
- Togo**
Simulium damnosum 562
Simulium sanctipauli 4679
Simulium sirbanum 1440
- Tokelau**, dengue virus, epidemiology 5370
- Tokunagayusurika akamusi**
allergens, cross reactivity 5259
lakes, Japan 1089
- Tolypocladium cylindrosporium**
hosts
Aedes aegypti
ingestion, conidia, viability 3961
pathogenesis 3585
Aedes albopictus, pathogenesis 3591
Aedes sierrensis, pathogenicity 3589
insects, pathogenicity 1652
- Tolypocladium niveum**, toxins, toxicity, Diptera 5615
- Tonga**, dengue virus, epidemiology 5362
- Tongue diseases**, *Dasychira pudibunda*, dogs 4755
- Topomyia**
Australasia, catalogues 4099
phytotelmata, Thailand 173
- Topomyia lindsayi**, taxonomy, redescription 5557
- Topomyia pseudobarbus**, behaviour, feeding, sugars 1374
- Torotrombicula samara**, distribution, Philippines 2004
- Toscana virus**
vectors
Phlebotomus, Italy 5652
Phlebotomus perniciosus, transovarial transmission 3006

Toxaphene (see Camphechlor)**Toxicology**

- Alectoris*, malathion 5972
- Anas platyrhynchos*, cholinesterase inhibitors 838
- aquatic organisms, hexachlorobenzene 2760
- Barbus stigma*, insecticides 4033
- birds, pesticides 2767, 5969
- buffaloes
 - dichlorvos 5010, 5431
 - dimethoate 2095
 - monocrotophos 5430
- carp
 - organophosphorus pesticides 2764
 - pesticides 5963
 - pyrethroids 1263
- Catla catla*, endosulfan 5968
- cattle, dichlorvos 4051
- Channa orientalis*, parathion-methyl 3370
- Channa punctatus*
 - insecticides 5003
 - malathion 1262
 - monocrotophos 5971
- cypermethrin, books 3417
- DDT, books 3416
- dogs
 - amitraz 2768, 4053, 4056
 - ivermectin 2770, 5009
 - propoxur 4031
- domestic animals, methoprene 2769
- ducks, pirimiphos-methyl 2776
- fishes, insecticides 5427
- fowls
 - carbamates 4046
 - cypermethrin 2771
 - deltamethrin 5011
 - fenthion 5429
 - fenvalerate 4050, 4995
 - malathion 836
 - organophosphorus insecticides 4040
 - organophosphorus pesticides 827
 - pyrethroids 4044
- frogs
 - Bacillus thuringiensis* 2780
 - pesticides 2778
- Gambusia affinis*, insecticides 1678
- Gnathopogon caeruleus*, organophosphorus pesticides 5005
- goats
 - carbofuran 5008
 - chlorpyrifos 4055
 - dichlorvos 1674
 - ethion 4054
 - fenvalerate 2782
 - insecticides 5004
 - tefluthrin 2765
- Heteropneustes fossilis*
 - lindane 3371
 - parathion-methyl 2777
- horses, trichlorfon 4032
- insecticides, books 3426
- Labeo rohita*, endosulfan 2097
- laboratory animals
 - Entomophthora thaxteriana* 2774
 - lethal dose, methodology 2773
 - lindane 5006
- mammals, carbamate insecticides 426
- man
 - dichlorvos 1684
 - dilor 1677
 - pesticides 841
- median effective dose, reviews 4047
- mice
 - aminocarb 4036
 - carbamates 2738
 - DDT 5970
 - analogues 2757
 - dieldrin 4037
 - insecticides 4025
 - lindane 5423, 5425
 - phorate 4038
 - phosphamidon 1267
 - phthalimide pesticides, teratogenesis 1676
- Notopterus notopterus*, dimethoate 4509
- pesticides
 - books 3415
 - history 3369

Toxicology cont.

- pesticides cont.
 - reviews 856
 - USSR, information 1675
 - Phasianidae, organophosphorus insecticides 4028
 - Rana temporaria*, cypermethrin 4049
 - Rana tigrina*, aldrin 4022
 - rats
 - aldrin 2772
 - amitraz 1682
 - chlordecone 2096, 4030
 - chlordimeform 4997
 - dieldrin 4029
 - dimethoate 5965
 - endosulfan 2775, 4027, 4996
 - HCH 2779
 - ivermectin 5426
 - lindane 828, 1268, 1270-1271, 1679, 4026, 4039, 5424, 5973
 - malathion 1269, 4023
 - mirex 425
 - organochlorine insecticides 5952
 - organophosphorus insecticides 4052
 - parathion 5967, 5975
 - parathion-ethyl 5001
 - phenthoate 5013
 - phosmet 4035
 - pirimiphos-methyl 3372
 - thio-bis *N*-methylcarbamates 5418
 - rodents
 - Bacillus thuringiensis* 5936
 - hexachloroethane 2098
 - insecticides 5964
 - sheep
 - heptachlor 2099
 - ivermectin 835
 - Tilapia mossambica*
 - chlorpyrifos 4508
 - DDT 4998
 - organophosphate insecticides 4034
 - parathion-methyl 5002
 - vertebrates, parathion 424
- Toxins**
- Androctonus australis*
 - DNA, nucleotide sequences 3862
 - molecular structure, crystallography 2559
 - Apis mellifera*
 - effects, nervous system 2446
 - membranes, reviews 4268
 - neurochemistry 5272
 - Araneae
 - neurobiology 4853
 - reviews 5342
 - Araneidae, insecticidal properties 2553
 - Argiope*, effects, insects, nervous system 2022
 - Argiope aurantia*, chemistry, synthesis 1613
 - Argiope lobata*, effects, glutamates, receptors 5883
 - Buthidae, binding, central nervous system, insects 2032
 - Buthotus judaicus*, molecular genetics 5885
 - Buthotus tamulus*, biochemistry 5886
 - Buthus eupeus*, nuclear magnetic resonance spectroscopy 1177
 - Dendrolimus*, urticaria 260
 - Epicauta*, horses, poisoning 3750
 - Ixodes holocyclus*, reviews 1532
 - Latrodectus tredecimguttatus*, neurochemistry 5341
 - Leiurus quinquestriatus*
 - effects
 - nervous system 5970
 - potassium channels 3861
 - molecular structure 3863
 - nuclear magnetic resonance spectroscopy 1616
 - receptors, amino acids, sequences 3225
 - sodium channels, inactivation 2031
 - Nephila*, chemistry, synthesis 1614
 - Nephila clavata*, glutamates, receptors, inhibition 2555
 - Vespa orientalis*
 - amino acids, sequences 1115
 - erythrocytes, haemolysis 4763

Toxins cont.

- Vespidae
 - effects
 - leukocytes 5788
 - membranes 5273
 - stimulation, glycogenolysis 1515
- Vespoidea, biochemistry, synergism 1935
- Toxopoda bifurcata*, taxonomy, new species 5762
- Toxorhynchites**
 - Australasia, catalogues 4099
 - behaviour
 - larvae, locomotion 2257
 - predation 168
 - distribution, India 541-542
 - phytotelmata, Venezuela 5592
- Toxorhynchites amboinensis**
 - behaviour
 - cannibalism 2276
 - killing behaviour 2287
 - cell lines
 - dengue virus, assays 5909
 - Flavivirus*, infection 158
 - Japanese encephalitis virus, infection 4414
 - control, *Aedes* 4623
 - ecdysteroids, development 169
 - human immunodeficiency virus, transmission 5095
 - morphology, eggs 1817, 2961
 - oviposition attractant pheromones, efficacy 988
 - prey, *Aedes aegypti*, predation 2287
- Toxorhynchites brevipalpis**
 - behaviour, cannibalism 2276
 - oviposition attractant pheromones, efficacy 988
- Toxorhynchites minimus**
 - behaviour, oviposition 5570
 - biology, development 5570
 - rearing techniques 5570
- Toxorhynchites moctezuma** (see *T. theobaldi*)
- Toxorhynchites okinawensis**, taxonomy, new species 4643
- Toxorhynchites phytophagus**, forests, Guinea 2324
- Toxorhynchites rutilus**
 - Billbergia pyramidalis*, axils, USA 1390
 - ecdysteroids, development 169
 - prey, *Aedes triseriatus*, predation 4602
 - tree holes, USA 526
- Toxorhynchites rutilus rutilus**, morphology, eggs 1817
- Toxorhynchites splendens**
 - behaviour, cannibalism 2276
 - control, *Aedes aegypti* 2260
 - Flavivirus*, infection 140
 - hexaflumuron, efficacy 4171
 - morphology, eggs 2961
 - oviposition attractant pheromones, efficacy 988
 - rearing techniques 95
- Toxorhynchites theobaldi**
 - behaviour
 - oviposition 962, 981
 - predation, functional responses 980
 - cemetery vases, Mexico 962
 - forests, Trinidad and Tobago 981
 - organophosphorus insecticides, susceptibility 5546
- Tracheliastes maculatus**
 - Abramis brama*, Poland 2042
 - biology, life cycle 2042
- Trachydosaurus rugosus**, Ixodidae, Australia 4794
- Trachytes pauperior**, *Sorex araneus*, Poland 673
- Tragelaphus oryx**, *Amblyomma*, South Africa 5832
- Tragelaphus scriptus**
 - Chrysops*, Congo 1043
 - Glossina fuscipes*, Uganda 567
- Tragelaphus strepsiceros**
 - Amblyomma*, South Africa 5832
 - Amblyomma hebraeum*, South Africa 5844
- Training**, medical entomology, personnel 20

- ralomethrin** ([1*R*-[1 α (*S**),3 α]]-cyano(3-phenoxxyphenyl)methyl 2,2-dimethyl-3-(1,2,2,2-tetrabromoethyl)cyclopropanecarboxylate)
control, Muscidae 4216
effects
 γ -aminobutyric acid, receptors 4041
 benzodiazepine, receptors 4042
 nervous system 4043
toxicity
 Blattella germanica 25
 Ctenocephalides felis 1343, 2208
ramea lacerata, prey, *Culex tarsalis* 2963
ramea limbata, *Pleurogenoides orientalis*, infection 637
ramea onusta, prey, *Culex tarsalis* 2963
ransphlebotomus, taxonomy, phylogeny 3631
rapping
 Glossina palpalis, evaluation 1051
 sterile insect release, pest control, models 3337
Traps
 Blattella germanica 5468
 Glossina 1872
 bait traps
 Aedes sierrensis 1372
 Austrosimulium bancrofti 2365
 Blattaria 1323
 Cephenemyia 1915
 Culicidae 2271, 4644
 Culicoides variipennis 2346
 Culiseta inornata 2254
 Diptera 2931
 dung beetles 4751
 Formicidae 4285
 Glossina 1874, 3050, 4205
 Glossina pallidipes 1048
 haematophagous insects 893, 5638
 Ixodes dammini 4292
 Ixodidae 659
 Lucilia cuprina 4731
 Mansonia uniformis 3605
 Ornithodoros erraticus 3823
 pest control 3337
 models 1242
 Stomoxys calcitrans 4700
 Tabanidae 1039, 2366, 3039, 5213
 biconical traps
 Glossina 1047, 4205
 Glossina pallidipes 1048, 4211-4212, 5687
 Glossina palpalis 199
 Glossina tachinoides 1049
 canopy traps, Tabanidae 3039
 CDC light traps 895
 Culex 2250
 Culicidae 1814
 Culicoides variipennis 2346, 2348
 cylinder traps, *Stomoxys calcitrans* 1470, 5706
 electrocuting traps
 Musca domestica 1889
 Musca vitripennis 1885
 Muscidae 4222
 emergence traps, Culicidae, sampling 972
 Fay-Prince traps, *Aedes sierrensis* 1372
 gravid traps, *Culex* 971
 light traps
 Chironomidae 1089
 Culex pipiens, larvae 2986
 insects 1713
 Lutzomyia 3008
 Odonata 5794
 Phlebotominae 5463
 Tabanus sackeni 1041
 Malaise traps
 Hymenoptera 1933
 Tabanus sackeni 1041
 New Jersey light traps
 Culicidae 5541
 Culicoides 1015
 Culicoides variipennis 2348
 Culiseta inornata 2254
 oviposition traps
 Aedes 2286, 5120
 Aedes aegypti 2966-2967, 4636
 Aedes albopictus 5132-5133
 Aedes triseriatus 2950
 Culex 2250, 2955
 Traps cont.
 oviposition traps *cont.*
 Haemagogus equinus 5136
 Haemagogus janthinomys 1420
 Toxorhynchites theobaldi 981
 pheromone traps
 Lutzomyia longipalpis 3004
 pest control, models 1239-1242
 pitfall traps, dung beetles 599, 4751
 pyramidal traps
 Glossina 4205
 Glossina palpalis 5220
 Musca vitripennis 1885
 ramp traps, Culicidae 959
 silhouette traps, *Austrosimulium bancrofti* 2365
 sound traps
 Anopheles 5150
 Culicidae 4498
 Mansonia uniformis 3605
 sticky traps
 Lutzomyia longipalpis 3004
 Simulium damnosum 1037
 Stomoxys calcitrans 4700, 5706
 suction traps
 arthropods 2162
 insects 2864
 Phlebotominae 5463
 truck traps
 Culex 2250
 Culicoides variipennis 2346
 Simuliidae 2359
 tsetse traps
 Glossina 1874, 4498
 Glossina pallidipes 5687
 walk-through traps, Muscidae 4221
 Williams traps, *Stomoxys calcitrans* 1470
 Travel medicine, Indonesia 3283
 Tree holes
 Aedes, population ecology 1392
 Aedes albopictus, USA 1363
 Aedes echinus, Morocco 1393
 Aedes sierrensis, USA 1396, 2315, 3589
 Aedes triseriatus, USA 4602, 5536
 Anopheles, India 541
 Anopheles barberi, USA 4607
 Arrenurus kitchingi, Australia 5319
 Culicidae
 Sri Lanka 1815
 Venezuela 5592
 Culicoides, USA 1015, 4667
 Diptera, USA 526, 5260
 fauna, community ecology 4102
 insects, USA 11
 Trematoda, intermediate hosts, invertebrates, USSR 2649
 Treponema pertenuae, man, Solomon Islands 3913
 Tri-allate, toxicity, *Chironomus riparius* 3090
 Triatomyobia, taxonomy, revision 3834
 Triatoma, biochemistry, cuticle, chitin 2919
 Triatoma arthurneivai, dwellings, Brazil 5503
 Triatoma barberi
 blood-meals, identification 52
 Trypanosoma cruzi, Mexico 1763, 2194
 Triatoma brasiliensis
 behaviour, feeding behaviour 5502
 Trypanosoma cruzi
 Brazil 50
 infection 2193
 xenodiagnosis 2192
 Triatoma dimidiata
 blood-meals, identification 52
 Trypanosoma cruzi
 Central America 49
 Mexico 2194
 xenodiagnosis 2192
 Triatoma infestans
 behaviour
 feeding behaviour 5502
 host-seeking behaviour 1774
 biochemistry
 lipophorin 5494
 lipoproteins 2197
 biology, development 5496
 Triatoma infestans cont.
 Blastocrithidia triatomae, pathogenicity 4585, 5089
 blood-meals, identification 52
 cell lines, *Blastocrithidia triatomae*, infection 3539
 dwellings
 Argentina 5504
 Brazil 5503
 entomopathogenic protozoa, infections 2926
 insect viruses 2675
 juvenile hormone analogues
 effects 1664
 toxicity 2081
 pathogens, pathogenicity 1338
 rearing techniques 2909
 Trypanosoma cruzi
 Argentina 51, 5504
 Bolivia 1339
 Brazil 50
 infection 493, 2193
 pathogenicity 46, 492
 transmission 43
 xenodiagnosis 491, 2192, 2910
 Trypanosoma rangeli, infections-2927
 ultrastructure, spermatozoa, flagella 2924
 Triatoma maculata, blood-meals, identification 52
 Triatoma matogrossensis, biology, development 5497
 Triatoma mazzottii, *Trypanosoma cruzi*, Mexico 4584
 Triatoma pallidipennis, behaviour, feeding behaviour 5502
 Triatoma phyllosoma
 behaviour, regurgitation 1192
 human immunodeficiency virus, transmission 1192
 Triatoma protracta, *Trypanosoma cruzi*, USA 4586
 Triatoma pseudomaculata
 Trypanosoma cruzi
 Brazil 50
 xenodiagnosis 2192
 Triatoma rubida, *Trypanosoma cruzi*, USA 4586
 Triatoma rubrofasciata, *Trypanosoma conorhini*, Philippines 2191
 Triatoma rubrovaria, *Trypanosoma cruzi*, xenodiagnosis 2192
 Triatoma ryckmani, taxonomy, males 5086
 Triatoma sordida
 blood-meals, identification 52
 control, insecticides 5505
 dwellings, Brazil 5503, 5505
 Trypanosoma cruzi
 Brazil 50
 infection 2193
 xenodiagnosis 2192
 Triatoma virus, taxonomy, virology 2675
 Triatoma vitticeps, *Trypanosoma cruzi*, Brazil 45
 Triatominae
 America, books 442
 Azadirachta indica, botanical insecticides, effects, reviews 3354
 behaviour
 feeding behaviour 52
 reviews 2908
 biochemistry
 cuticle, lipids 2918
 lipid metabolism 2917
 reviews 2916
 biology, books 3407-3408
 control, simulation models 53
 distribution, America 47
 dwellings, control 4496
 ecology, habitats 47
 genetics, chromosomes, evolution 4144
 growth regulators, effects 2923
 insecticides, mode of action 2921
 mathematical models, population ecology 53
 morphology, antennae, trichobothria 4146
 natural enemies, reviews 48
 ontogeny, embryogenesis 2922
 physiology
 digestion 2911

Triatominae cont.

physiology cont.

neuroendocrine system 2920
rearing techniques 3540
reproduction, reviews 2915
South America, bibliographies 3538,
4084

taxonomy, keys, America 47

Trypanosoma cruzi

detection, DNA probes 4587
infections 2912
transmission 52
xenodiagnosis 3540
ultrastructure, cuticle 2913

Tribec virus

arthropods, Czechoslovakia 1634
vectors, *Ixodes ricinus*, Czechoslovakia
4302

Tribolium castaneum, *Pseudal-*

noplocephala crawfordi, China 5268

Tribolium confusum, man, allergies 4832**Trichlorfon** (dimethyl (2,2,2-trichloro-1-hydroxyethyl)phosphonate)

against

Dermanyssus gallinae 672
ectoparasites 677
Hypoderma bovis 585
Knemidokoptes pilae 695
cattle, cost benefit analysis 4966
control

Acari 1171
arthropods 2079
Demodex canis 3837
Diptera 583
ectoparasites 1154-1155, 5860
Gasterophilus 3076
Gasterophilus intestinalis 1488
Ixodidae 652
Muscidae 2379
Ornithodoros lahorensis 2500
Sarcoptes scabiei 3210, 3852
Sternostoma tracheacolum 2019

effects

horses, cardiovascular system 4032
rodents, immune response 5964
sheep 2500

residues, detection 4077

resistance

Musca domestica, German Demo-
cratic Republic 5700
Periplaneta americana, resistance
mechanisms 1321

toxicity

Boophilus microplus 2473
Mallophaga 1757
marine invertebrates 4015

Trichlorphon (see Trichlorfon)**Trichobius corynorhini**, *Plecotus mexi-*

canus, Mexico 5323

Trichoblatta pygmaea, distribution, Ryu-

kyu Archipelago 907

Trichocercus, man, skin diseases 3305**Trichodectes ermineae**, *Mustela erminea*

hibernica, Irish Republic 922

Trichodectes octomaculatus, mammals,

USA 5317

Trichoderma, *Aedes*, USSR 161**Trichocercus**, taxonomy, keys, Poland 696**Trichocercus apodemi**, *Apodemus tauricus*,

Poland 1590

Trichocercus widawaensis

Apodemus agrarius, Poland 697

taxonomy, new species 697

Trichogramma, hosts, *Thaumetopoea*

processionea, parasitism 3107

Trichogramma embryophagum, hosts,

Thaumetopoea pityocampa 3104

Trichomycetes, fossils, Antarctica 3324**Trichoprosopon**, behaviour, larvae, locomo-

tion 2257

Trichoprosopon digitatum

Heliconia imbricata, bracts, Costa Rica
3572

morphology, eggs 5126

phytotelmata, Venezuela 5592

predators, predation 3572

Trichoptera

cadavers, submersion 1718

DDT, residues, USA 5016

man

allergies 4782

Trichoptera cont.

man cont.

allergies cont.

reviews 3306

marshes, Canada 282

methoxychlor, effects, invertebrate drift
5434

Nicaragua, catalogues 1521

permethrin, effects 2105

predators 3658

Trichoptocoides decolor

cattle, Denmark 1358

distribution, China 5691

Trichosia pubescens, ultrastructure, sali-

vary glands, development 4248

Trichospirura leptostoma, intermediate

hosts, Blattellidae, animal housing
4572

Trichothecium roseum, hosts, Acari 2705**Trichouropoda orbicularis**, guano, USA

256

Trichuris trichiura, vectors, Cyclorrhapha,

Malaysia 3072

Triclabendazole, control, *Gasterophilus*

intestinalis 3700

Triflururon (2-chloro-N-[[[4-(trifluoro-

methoxy)

phenyl]amino]carbonyl]benzamide)

control, Culicidae 1845

effects

Blattella germanica, reproduction
1746

Culex quinquefasciatus 5617

efficacy, *Blattella germanica* 4559

formulations, aerial spraying, droplet
studies 2078

toxicity, *Blattella germanica*, eggs 5061

Trifluoropropanone sulfides

chemistry, synthesis 5950

effects, insects, juvenile hormone ester-
ase 5950

Trigona, carrion, Peru 3767**Trimethacarb** (2,3,5-trimethylphenyl

methylcarbamate with 3,4,5-

trimethylphenyl methylcarbamate)

toxicity, *Ctenocephalides felis* 1343

Trimethylstanniomethyl ethers

chemistry, synthesis 2756

toxicity, insects, mode of action 2756

Trinidad and Tobago

Aedes aegypti 2966-2967, 4636, 5546

Culex caudelli 979

Culicidae 5113

Formicidae 5791

Haemagogus equinus 5136

Haemagogus janthinomys 1420

scabies, epidemiology 5872

Tityus melanostictus 5888

Toxorhynchites theobaldi 981

Trinoton aculeatum, taxonomy 5484**Trinoton alopochen**, taxonomy 5484**Trinoton gambensis**, taxonomy 5484**Trinoton madagascariense**, taxonomy 5484**Trinoton straeleni**, taxonomy 5484**Triops longicaudatus**

control, *Culex tarsalis* 5538

prey

Culex quinquefasciatus, predation
2281

Culex tarsalis 2963

Triphaena pronuba, *Meles meles*, animal

burrows, Europe 467

Triphleba, ecology, phenology 5769**Tripteroides**

Australasia, catalogues 4100

distribution, India 542

Tripteroides apicotriangulatus, taxonomy,

status 4100

Tripteroides aranoides, morphology, lar-

vae, mouthparts 2339

Tripteroides bambusa

pigs, Japan 3571

urban areas, Japan 1369

Tripteroides concinnus, taxonomy, nomen-

clature 4100

Tripteroides filipes, taxonomy, synonyms

4100

Tripteroides obscurus, taxonomy, syno-

nymys 4100

Tripteroides papua, taxonomy, nomencla-

ture 4100

Tripteroides subnudipennis, taxonomy,

nomenclature 4100

Tripteroides subobscura, taxonomy,

nomenclature 4100

Trivittatus virus

epidemiology, reviews 729

vectors, *Aedes albopictus*, transmission
2283

Trixacarus caviae, guineapigs, skin diseases

4839

Trochiliphagus, evolution, phylogeny 1755**Trochiloecetes**, evolution, phylogeny 1755**Trogidae**, carrion, Mexico 1924**Troglodytes aedon**, *Protocalliphora*

braueri, USA 4228

Trogoderma angustum, dwellings, German

Federal Republic 1929

Trogoniella aequatoriale, taxonomy 5484**Trogoniella apaloderma**, taxonomy 5484**Trogonirmus**, taxonomy, nomenclature

5484

Trombiculidae

Desmodontinae, America 3235

Rickettsia tsutsugamushi, transmission
3258

Sorex, Poland 2467

Tropical diseases, WHO, research 3280**Tropiconabis kinbergi**, man, bites 3305**Tropisternus**, prey, *Culex tarsalis* 1818**Tropisternus lateralis**

prey

Culex tarsalis 2963

Culicidae 123

Trypanosoma

Africa, reports 1294

cattle

Kenya 4690-4691

trypanotolerance 1449

epidemiology

models 3886, 4446

conferences 4523

genetics, infections 2646

reports, International Laboratory for
Research on Animal Diseases
1701

research, reports 2639

vectors

Glossina

control 565

Kenya 4692

Zaire 200

Glossina pallidipes, infection 3642

Trypanosoma brucei

culture techniques 2632

insects, cell lines, infections 2633

vectors

Glossina

detection, DNA probes 4693

DNA probes 564

infections 5390

Liberia 4687

susceptibility 4208

transmission 2371, 4688

Glossina morsitans

infections 2372

genetic exchange 4935

Glossina pallidipes, Kenya 1045

Glossina palpalis, infection 4209

Trypanosoma chabaudi, vectors, *Culicoides*

nubeculosis, infections 2350

Trypanosoma congolense

cattle, prophylaxis 1450

sentinel animals, Congo 1051

trypomastigotes, development 3286

vectors

Glossina

detection, DNA probes 4693

DNA probes 564

Liberia 4687

transmission 2371

Glossina morsitans

drug resistance, transmission
3052

infection 1878

infections 2374

transmission, drug resistance
2370

Glossina pallidipes

infections 1445

Kenya 1045

- Trypanosoma congolense** *cont.*
vectors *cont.*
Glossina palpalis
infection 566
transmission 4215
- Trypanosoma conorhini**, vectors, *Triatoma rubrofasciata*, Philippines 2191
- Trypanosoma corvi**, vectors, *Ornithomya avicularia*, infection 589
- Trypanosoma cruzi**
control, reports 1293
guineapigs, vaccines 5389
hosts, *Triatoma infestans*, pathogenicity 1338
man
bibliographies 3538, 4084
Brazil 3281
research, reports 2640
trypomastigotes, mice, immunization 3285
vectors
Panstrongylus megistus, Brazil 5503
Rhodnius pictipes, Brazil 3541
Rhodnius prolixus
azadirachtin, effects 5088
detection, DNA probes 4588
infections 2195
Rhodnius robustus, Brazil 2193
Triatoma, Mexico 2194
Triatoma barberi, Mexico 1763
Triatoma infestans
Argentina 51, 5504
Bolivia 1339
infection 493
pathogenicity 46
Triatoma mazzottii, Mexico 4584
Triatoma vitticeps, Brazil 45
Triatominae
America 442
Brazil 50
Central America 49
detection, DNA probes 4587
infections 2912
pathogenicity 492
transmission 43, 52
USA 4586
xenodiagnosis 491, 2192, 2910, 3540
- Trypanosoma gambiense**
control, models 4462
epidemiology, models 4206, 4214, 4463-4470
Glossina, Angola 3046
vectors
Glossina
Congo 1046
Kenya 1876-1877
susceptibility 4208
transmission 4214, 4688
Glossina morsitans, xenodiagnosis 4689
- Trypanosoma platydictyli**, vectors, *Sergentomyia minuta*, Italy 5193
- Trypanosoma rangeli**
vectors
Rhodnius prolixus
detection, DNA probes 4588
infections 2195, 5090
Triatominae
Central America 49
infections 2927
- Trypanosoma rhodesiense**
culture techniques 2632
epidemiology, models 4463-4465, 4468-4470
insects, cell lines, infections 2633
man, diagnosis 3297
vectors
Glossina
Kenya 1876-1877
transmission 4214
Glossina morsitans
infections 2374, 3639
genetic exchange 4935
mechanical transmission 1879
Glossina pallidipes, Kenya 1448
- Trypanosoma scotophili**, vectors, *Cimex hemipterus*, infections 3542
- Trypanosoma simiae**, vectors, *Glossina*, detection, DNA probes 4693
- Trypanosoma theileri**
vectors
Boophilus microplus, Brazil 1957
Tabanidae, USA 3637
- Trypanosoma vivax**
cattle, prophylaxis 1450
vectors
Glossina
Liberia 4687
transmission 2371
Glossina pallidipes, Kenya 1045
Glossina palpalis, transmission 4215
- Trypetoptera punctulata**
forests, France 5256
prey, Gastropoda 5257
taxonomy, larvae 5257
- Tsetse screens**
control, *Glossina* 4205
Glossina 1050, 1872, 1874
orientation 1870
ultraviolet radiation, pyrethroids, photolysis 5022
- Tsetse targets**
Glossina pallidipes, efficacy 569
Glossina palpalis, colour 568
- Tularaemia** (see also *Francisella tularensis*)
- Tunga penetrans**
control, insecticides 4591
hosts, French Guiana 4591
man
skin diseases 69, 928, 1345, 5518
USA 503
- Tungidae**, taxonomy, morphotaxonomy 2206
- Tunisia**
Hyalomma dromedarii 1976
Leishmania, epidemiology 3289
leishmaniasis, epidemiology 1854, 4672
trachoma, control 4913
- Turdus merula**, *Ixodes ricinus*, feeding 5288
- Turkey**
Anopheles sacharovi 3554
Aphodius sertavulensis 4256
Coleoptera, books 4090
Formicidae, checklists 2459
honey, man, poisoning 1507
Ixodidae 5310-5311
Knemidokoptes pilae 695
laboratory animals, ectoparasites 677
Paracoptochirus petrovitzi 4258
Tabanidae 2368
- Turkeys**
cyromazine
effects
growth 422
reproduction 422
Pasteurella anatis, USA 1851
- Turks and Caicos Islands**, scabies, epidemiology 5872
- Turlock virus**
birds, USA 349
Culicidae, USA 107
vectors
Culex, USA 2297
Culex tarsalis, infection 3559
- Tuvalu**
Aedes 4157
dengue virus, epidemiology 5363
- Twinnia**, ecology, acidification, effects 1307
- Tydeidae**, cattle dung, USA 2521
- Tylonycteris pachypus**, *Spinturnix tylonycterisi*, Malaysia 4317
- Tylonycteris robustula**, *Spinturnix tylonycterisi*, Malaysia 4317
- Typha angustifolia**, *Coquillettidia perturbans*, USA 2302
- Typhaeus typhoeus**
behaviour
foraging 3095
nesting 3732
biology 3723
ecology, environmental factors 3730
rabbit droppings, Netherlands 3095, 4113
soil, Netherlands 3727-3728, 3730-3731
- Typhlochactas mitchelli**
hosts, Araneae 2024
- Typhlochactas mitchelli** *cont.*
taxonomy, new species 2024, 2035
- Typhus** (see also *Rickettsia* spp.)
- Typhus latifolia**, *Coquillettidia perturbans*, USA 2302
- Tyres**
Aedes
disinsection 952
Singapore 2959
South Africa 549
USA 958
Aedes aegypti, USA 2287
Aedes albopictus
Australia 5135
USA 92-93, 100, 4631, 5528, 5544, 5547
Aedes atropalpus, USA 975
Aedes triseriatus, USA 1397, 2251
Culicidae
sampling 2285
USA 78, 110, 943, 2268
- Tyroglyphus farinae** (see *Acarus siro*)
- Tyrophagus**, meat, Faroe Islands 2008
- Tyrophagus longior**
allergens, cross reactivity 4341
grain stores, UK 1158
man, allergies 4832
- Tyrophagus perniciosus**
biochemistry, monoterpenes 5331
buildings, Netherlands 317
- Tyrophagus putrescentiae**
buildings, Poland 1595
chemosterilants, efficacy 2525
ecology, intraspecific competition 3840
grain stores, UK 1158
man, allergies 1158, 2531, 4339, 4342, 4832
- Tyto alba**
ectoparasites, USA 1918
Ixodes arboricola, Poland 1995
UC-75118, toxicity, Diptera 120
UC-75150, toxicity, Diptera 120
UC-76721, toxicity, Diptera 120
UC-76724, toxicity, Diptera 120
UC-84572
effects, *Blattella germanica*, reproduction 1746
efficacy
Blattella germanica 4559
Chironomidae 1086
toxicity, *Blattella germanica*, eggs 5061
UC-86874, toxicity, Diptera 120
- Uchida phasiani**
morphometrics, nymphs 487
Phasianus colchicus, Poland 487, 1327
UCZF-19 (see Mexacarbate)
- Udaya subsimilis**, taxonomy, new combination 4184
- Uganda**
arboviruses, epidemiology 2050
Glossina fuscipes 567
Glossina pallidipes 2376
insects as food 471
Myrsidea ugandensis 5483
- UK**
Aedes cantans 550, 4189
Aedes punctor 159, 3597-3598
Aedes vexans 3562
animal burrows, fauna 467
Antichaeta obliquosa 5768
aquatic insects 1308, 4547
aquatic invertebrates, books 3425
Araneae 3221
arthropod pests, books 4092
birds' nests, Siphonaptera 5098
Broadhaven virus 2598
Calliphora 4236
Calliphoridae 2394
cattle, summer mastitis 359
Ceratophyllus 62-63, 5099
Chironomidae 3717
Coelopa frigida 1920
Culicidae 525
Culicoides 5443
Culicoides impunctatus 180
Cytoecetes phagocytophila, control 5384
Dermatobia hominis 3702
Dermatophagoides pteronyssinus 2012
Diptera 3423, 4245
Dolichovespula 4766-4767

UK cont.

- Dytiscidae 5267
 entomology, history 1295
Ernoneura argus 3658
Euproctis chrysorrhoea 606
 parasitoids 3110
 fauna, identification 2116
Forcipomyia phlebotomoides 552
Halipeurus pelagicus 4575
 Heteroptera 56
Hydrodroma despicens 314
Hypoderma 2413
Hypoderma bovis 2403, 5254
Ischnopsyllus octacenus 5100
Ixodes ricinus 292
 louping-ill virus, epidemiology 740
Lucilia sericata 3696
 Lyme disease, epidemiology 661-663,
 1193, 4927, 5385
 man, delusory parasitoses 3497
Megaselia 3422
Megaselia abdita 238
 Metastigmata 4796
Musca domestica 1471, 1888
 myxomatosis, epidemiology 3547
Naubates harrisoni 4576
Parasitus consanguineus 2515
Pediculus capitis 2905-2906
 pesticides
 legislation 3439
 books 3427
 nontarget effects 2812
 conferences 2833
 evaluation 3385
Phyllodrepa salicis 605
 plague, epidemiology 1291
Psoroptes ovis 5336
Scathophaga stercoraria 4701
 sheep, ectoparasites 3722
Simulium juxtacrenobium 4203
Simulium posticatum 1031
 Siphonaptera 501, 1784
Speolepta leptogaster 4244
Spilopsyllus cuniculi 4155, 4599
 storage mites 1158, 4342, 4832
Vespa crabro 3125
 Vespidae 4768
Vespula vulgaris 612
Ulmus pumila, Diptera, USA 3485
 Uloboridae, taxonomy, keys, Australia
 3222
Ultralow volume spraying
Anopheles 954
 application, efficacy 87
 application methods 90
Culex 971
 Culicidae
 bioassays 1832
 temperature 953
 droplet studies, models 118
 equipment, ground spraying 5948
 fenitrothion, occupational hazards 3374
 insecticides
 droplet studies 2252
 efficacy, assays 1380
 malathion, droplet studies 5947
 occupational hazards 843
 pesticides, formulations, temperature
 2749
Ultrasonic devices
 control, *Ctenocephalides felis* 2212
 effects, *Ctenocephalides felis* 4153
Ultrasound, effects, *Periplaneta americana*
 2179
Ultrastructure
Aedes aegypti, oocytes, epithelium,
 diets 5598
Blattella germanica
 granulocytes 1739
 membranes, bacteriocytes 2182
Calliphora vicina, eyes 224
Cephalobaena tetrapoda, male genitalia
 3234
Chrysops caecutiens, sensilla, chemore-
 ceptors 5212
Cryptocercus punctulatus, tergal glands
 2892
 Culicidae, midgut 2289-2290
Dermacentor variabilis, fat body 2498
 Diptera
 antennae 4527

Ultrastructure cont.

- Diptera cont.
 photoreceptors 3053
 Glossina, eyes 1875
Haemaphysalis longicornis, oogenesis
 5282
Hyalomma asiaticum, host parasite
 relationships, attachment 1962
Hyalomma dromedarii
 mouthparts 1568
 muscles 660
Hypoderma, spiracles 1084
 insects
 nervous system 5040
 spermatozoa 3448
 Ixodidae, Gené's organ 4785
Lucilia cuprina, ovipositors, sensilla
 2393
Lutzomyia longipalpis, pheromone
 glands 3005
Musca domestica, anal organs 1459
Notoedres cati, spermatogenesis 4357
Ornithodoros erraticus, haemocytes
 4293
Panstrongylus megistus,
 neuroendocrine system 5499
Pergamasus barbarus, eggs, chorion
 4319
Periplaneta americana
 chemoreceptors 1736
 muscles 481
 prothoracic glands, moulting hor-
 mones 4566
 sense organs 2181
Porocephalus crotali, cuticle 4878
Rhipicephalus evertsi, eyes 4790
Rhodnius prolixus
 microtubules, ovaries 4583
 midgut 4145
 diets 3535
 feeding 1771
 neuroendocrine system 1770
Stomoxys calcitrans, nervous system,
 accessory glands 5723
Thaumetopoea pityocampa, urticating
 hairs 259
Triatoma infestans, spermatozoa, fla-
 gella 2924
Trichosia pubescens, salivary glands,
 development 4248
Ultraviolet radiation
 attractancy, Muscidae 4222
 control, *Psoroptes* 1170
 effects, Blattaria, behaviour 5080
Umrina cirrosa, *Anilocra capensis*, Atlan-
 tic Ocean 1621
Unimolecular films, effects, aquatic plants
 2786
Uniomere declivus, *Unionicola*, host para-
 site relationships 674
Unionicola abnormipes, Unionidae, host
 parasite relationships 674
Unionicola crassipes
 Eunapius fragilis, Canada 682
 reproduction, protandry 682
Unionicola formosa
 Anodonta, USA 683
 ecology, population ecology 683
Unionicola fossulata, Unionidae, host para-
 site relationships 674
Unionicola serrata, Unionidae, host para-
 site relationships 674
United Arab Emirates, akabane virus, epi-
 demiology 346
United States of America (see USA)
Uraba lugens, man, skin diseases 3305
Uranotaenia
 Australasia, catalogues 4100
 behaviour, larvae, locomotion 2257
 taxonomy, type specimens, South
 Africa 5585
 vesicular stomatitis virus, transmission
 5610
Uranotaenia bilineata, man, South Africa
 506
Uranotaenia calosomata, distribution, Suri-
 nam 72
Uranotaenia fusca, taxonomy, larvae 163
Uranotaenia loewii, lakes, USA 1391
Uranotaenia macfarlanei, distribution,
 Nepal 1362

Uranotaenia nigripes

- distribution, West Africa 163
 taxonomy, larvae 163
Uranotaenia pallidoccephala, forests,
 Guinea 2324
Uranotaenia recondita, distribution, Nepal
 1362
Uranotaenia sapphirina, lakes, USA 1391
Uranotaenia stricklandi, distribution,
 Nepal 1362
Uranotaenia testacea, distribution, Nepal
 1362
Urban areas
Aedes, Philippines 2293
Aedes aegypti, Myanmar 5576
Anopheles
 Burkina Faso 5619, 5622
 Tanzania 954
Anopheles gambiae, Burkina Faso 5621
 Arachnida, Italy 4858
 Calliphoridae, USA 5734
 Carabidae, German Democratic
 Republic 1928
Culex, USA 971
Culex torrentium, German Federal
 Republic 4606
 Culicidae
 control 2965
 India 4158
 USA 5526
Formica, Finland 5279
Ixodes ricinus, Berlin 4802
 Orthopteroidea, German Democratic
 Republic 1721-1722
 pest control, developing countries 397
 Siphonaptera, Czechoslovakia 1349
 USA, Indiana, *Aedes albopictus* 5544
 Vespidae, Poland 613
Uria aalge
 feather mites, Alaska 4849
Ornithomya biloba, Norway 4738
Uria lomvia, feather mites, Alaska 4849
Urinary tract diseases
 Astigmata, man 5865
Megaselia scalaris, man 1921, 4741
Urobiovella, animal manures, Iraq 4818
Urobiovella marginata, animal manures,
 Iraq 4818
Urocyon cinereoargenteus, Ixodidae, USA
 1573
Urodacus armatus, genetics, cytogenetics
 3865
Urodacus elongatus, genetics, cytogenetics
 3865
Urodacus manicatus, genetics, cytogenetics
 3865
Urodacus novaehollandiae, genetics, cyto-
 genetics 3865
Urodacus planimanus, genetics, cytogenet-
 ics 3865
Urodacus yaschenkoi, genetics, cytogenet-
 ics 3865
Urolepis rufipes
 biology, diapause 4757
 hosts, Muscidae, parasitism 4757
Uropodidae
 hosts, Formicidae, parasitism 3138
Lacerta, Poland 1994
Urticaria, insects, man 3305
Uruguay
 Boophilus microplus 2491
 Felicola subrostratus 4581
USA
 Aedes 2286
 Aedes albopictus 92, 1367, 4631
 Agabus 5266
 Apis mellifera 1506, 1509
 aquatic insects, books 440
 Araneae 4854
 arboviruses, epidemiology 713
 arthropods, food, legislation 3340
 biological control, conferences 2835
 Blattaria 2173
 Blattella germanica 2183, 4137
 bluetongue virus, epidemiology 178
 Chrysomya bezziana 1066
 Cryptostigmata, catalogues 2006
 Culex 4176
 Culex territans 4182
 Culicidae 2299
 Cuterebra 4239

USA cont.

- Diptera, rabbit housing 4223
 eastern equine encephalitis virus, epidemiology 5177
 entomology
 history 5452
 research 1288
 research institutes 4518
Epicauta 4754
Geomydoecus 2902
Haematobia irritans 2389
 health hazards, farm workers 1278
Ixodes 5850
 Ixodidae 3161
Loxosceles reclusa 1173
Lucilia sericata 226
 man, pesticide residues 4067
 military entomology 399-400
Pediculus capitis 5486
 pesticides
 poisoning 5015
 registration 856
Pneumophagus bubonis 3195
Pogonomyrmex salinarius 3835
Rickettsia, importation 1216
 Sphaeroceridae, mites 4313
Thomomydoecus 3532
 tickborne diseases, reviews 3173
Tunga penetrans 69
 vesicular stomatitis virus, epidemiology 5208
 Alabama
 Anopheles quadrimaculatus 1812, 1821, 3560
 bluetongue virus, epidemiology 2994
 Ceroptera 3080
 Ixodidae 1562
 Lyme disease, epidemiology 1552
 pesticides, water pollution 5016
 snakes, parasites 3881
 Solenopsis 4771
 Alaska
 Culiseta impatiens 1405
 feather mites 4849
 Schizocarpus 4364
 Siphonaptera 5097
 Arizona
 Aedes thelcter 4633
 Dytiscus dauricus 257
 Gryllos 5796
 Leporidae, ectoparasites 65
 plague, epidemiology 1204-1205
 Scolopendra heros 708
 Solenopsis invicta 635
 Strigiphilus 4577
 Arkansas
 Anopheles quadrimaculatus 1812, 1821, 2307, 3560
 Araneae 3220
 Culicidae 2267, 2273, 3607, 4612
 Dienerella filum 1931
 Psorophora columbiae 4626
 California
 Acari 3815
 Aedes dorsalis 2277, 2279
 Aedes sierrensis 1372, 1396, 2315, 3589
 Aedes thelcter 94
 agriculture, public health 429
 Anopheles, research 109
 Anopheles freeborni 2264, 2301, 3558
 Anopheles hermsi 5161
 Anopheles maculipennis complex 154
 aquatic insects 1307, 3486
 Araneae 2023
 arboviruses, epidemiology 107, 349, 4377
 Argas 1565
 Blattella germanica 25
 bluetongue virus, epidemiology 4890
 Bunyavirus, epidemiology 3889
 Cephenemyia 1915
 Ctenocephalides felis 2208
 Culex 86, 938, 4625, 5531, 5534
 Culex quinquefasciatus 82
 Culex tarsalis 114, 119, 122, 1818, 2963, 4498, 5127, 5139, 5538
 Culicidae 108, 110, 113, 116-117, 121, 123-124, 131, 156, 940,

USA cont.

California cont.

- Culicidae cont.
 961, 1403, 2265, 3600, 4621, 4624, 4629, 4644
 control 111, 446
Culicoides variipennis 1427, 2346, 2995-2996, 4665
Culiseta 3602
Culiseta inornata 2254
Culiseta particeps 2341
Darlingtonia californica, fauna 3488
 Diptera 5698
 flea dips, poisoning 1276
Gryllos 5796
 introduced species 892
Ixodes pacificus 1538, 1567, 3808, 4797
 Lyme disease, epidemiology 3277
 Muscidae 3656, 5705
Pasteurella anatispestifer, epidemiology 1851
 pest control, training 112
 pesticides, poisoning 1274, 1277, 1690
 plague, epidemiology 1204-1205
Pogonomyrmex 1950
 poultry housing, arthropods 4704
Proctophyllodes 4850
Protocalliphora 4233
Protomyobia 1591
Psoroptes cuniculi 5339
 St. Louis encephalitis virus, epidemiology 1186
 tree holes, insects 11
 Triatominae 4586
Vulpes macrotis, pathogens 3278
 Colorado
 Argas cooleyi 1566
 Culex 2250
 Culex erythrothorax 2297
 Culicoides 5180
 Culicoides variipennis 2348, 2997
 Geomydoecus 2897
 Piezosimulium jeanninae 1033
 plague, epidemiology 1204-1205
 Pogonomyrmex occidentalis 4779
 vesicular stomatitis virus, epidemiology 1357
 Connecticut
 Aedes atropalpus 975
 Aedes cantator 969, 3586, 3965
 Culicidae 78
 Culiseta melanura 524
 Ehrlichia canis, epidemiology 5383
 Eremocoris 5509
 Ixodidae 5286
 Lyme disease, epidemiology 3255, 5387
 pesticides, usage 2716
 Delaware, Lyme disease, epidemiology 5386
 Florida
 Acrolophus pholeter 3106
 Aedes aegypti 2287
 Aedes albopictus 93, 3604, 5537, 5547
 Aedes bahamensis 99, 958
 Aedes taeniorhynchus 90, 968, 970, 2310, 4632, 5461, 5539, 5612
 Aedes triseriatus 4602
 Aedes vexans 949
 Anopheles quadrimaculatus 79, 942, 1812, 1821, 2272, 3560, 5527
 Blattaria 1319, 1323
 Blattella asahinai 2174
 Cephenemyia phobifera 3706
 Ceroptera 3080
 Chironomus crassicaudatus 4744
 Cochliomyia hominivorax 4728
 Coquillettidia perturbans 2284
 Ctenocephalides 4594
 Ctenocephalides felis 2208, 3548
 Culex 2955
 Culex cedecei 4185
 Culex nigripalpus 101, 948, 2295, 2935, 2962, 5114
 Culex salinarius 936

USA cont.

Florida cont.

- Culicidae 98, 963, 1390-1391, 2253, 2271, 2787, 5526
Culicoides 551, 1013-1014, 3617, 4666-4667
Culicoides insignis 2344
Deinocerites cancer 2319
 Diptera 87
 Formicidae 3139
Haematobia irritans 3054
 horses, hypersensitivity 5185
Ixodes scapularis 5377
Lycosa ammophila 2026
Mansonia dyari 3596, 4630
Musca domestica 1457
 Muscidae 4220
Ornithodoros turicata 1539
 pesticides, poisoning 849
Pogonomyrmex badius 3130
Pulex simulans 4596
Sebekia mississippiensis 2570
 Siphonaptera 2201
Solenopsis 2460, 3776, 4771
Solenopsis invicta 3134, 3140, 3780
Stomoxys calcitrans 5706
Tapinoma melanocephalum 3142
 Georgia
 Anopheles quadrimaculatus 5527
 Cochliomyia hominivorax 4728
 Culicoides 4667
 Lutzomyia shannoni 5190-5191
 Musca domestica 1457, 4697
 pest control, economics 1248
 Polistes exclamans 269, 4762
 Solenopsis 4771, 5276
 Tabanidae 3039
 Hawaii
 Aedes albopictus 5537
 Chrysomya 1719
 Haematobia irritans 4008
 house dust mites 3199
 Idaho, Dermacentor albipictus 5315
 Illinois
 Aedes albopictus 5528, 5537
 Aedes atropalpus 975
 Aedes triseriatus 2950, 4602
 Calliphoridae 5734
 Culex 2298
 Culicidae 943, 5533
 Culicoides crepuscularis 3615
 Cuterebra 1487
 dwellings, allergens 4474
 Haematobia irritans 5703
 Ixodes dammini 5292
 Megaselia abdita 238
 Microtus pinetorum, ectoparasites 284
 Potomac horse fever, epidemiology 2630
 Indiana
 Aedes albopictus 1363, 1824, 5537
 Aedes atropalpus 975
 Aedes triseriatus 2251
 Anopheles barberi 4607
 Blattella germanica 4564, 5060
 Coleoptera, checklists 255
 Culex 971
 Culicidae 5526
 Dirofilaria immitis, epidemiology 369
 entomology, history 450
 Formicidae, checklists 275
 insect pests 21
 Ixodes dammini 1975
 pesticide residues, buildings 2807
 Schizocarpus 4364
 tree holes, insects 5260
 Iowa
 Aedes vexans 2288
 Polistes 621
 Kansas
 aquatic insects 1710
 Culicoides 4667
 Culicoides elemae 3619
 Muscidae 3055
 Polistes annularis 270, 4765
 Stomoxys calcitrans 1470
 Kentucky
 Aedes albopictus 2268, 5537
 Aedes atropalpus 975

USA cont.

Kentucky cont.

Amblyomma americanum 1967, 5291

Louisiana

Aedes 2282

Aedes albopictus 3604, 5537

Aedes sollicitans 2309

Aedes triseriatus 1397

anaplasmosis

economics 3989

epidemiology 3924

Anopheles quadrimaculatus 1812,

1821, 3560, 3609

Culicidae 4612, 5526, 5541

Polistes 2452

Psorophora columbiae 80-81, 934

Solenopsis 4771

Solenopsis invicta 3775

Tabanus fuscicostatus 1441

Tabanus lineola 1862

tickborne diseases, epidemiology 1637

Maine

Ixodes dammini 1968, 5814

Schizocarpus 3214

Maryland

Aedes 100

Aedes atlanticus 1406

Dermacentor variabilis 1972

Dermatophagoides 4834

haematophagous insects 893

Lyme disease, epidemiology 5386

Muscidae 1473, 4216, 5225

Simulium 1023

Massachusetts

Ceroptera 3080

Dermacentor variabilis 1972, 5300, 5304

Ixodes dammini 1964, 3176, 3817, 5851

Lyme disease, epidemiology 2488, 5929

Poecilochirus monospinosus 4322

Schizocarpus 3214

Simuliidae 2359

Michigan

Aedes 2304

Aedes atropalpus 975

Chiroptera, ectoparasites 5516

Coquillettia perturbans 2302, 4618

pesticides, poisoning 5025

Polistes 621

Simuliidae 2358

ultralow volume spraying 953

Minnesota

Dermatophagoides 325

Hymenoptera 262

Ixodes dammini 2478

western equine encephalitis virus, epidemiology 2247

Mississippi

Anopheles quadrimaculatus 1812, 1821, 2272, 3560

Solenopsis 2460, 3776

Typhlochactas mitchelli 2024

Missouri

Aedes atropalpus 975

Culicidae 5526

Culicoides 4667

Haematobia irritans 4221

Stomoxys calcitrans 1456

natural enemies 4696

Montana, *Hypoderma* 5250

Nebraska

Culicoides 1015, 4667

Culicoides elemae 3619

Pogonomyrmex occidentalis 276

Pteromalidae 1936

Simuliidae 1436

Simulium 4681

Siphonaptera 4154

Stomoxys calcitrans 4700

Urolepis rufipes 4757

Nevada, *Gryllos* 5796New Hampshire, *Nicrophorus orbicollis* 5779

New Jersey

Aedes atropalpus 975

Aedes infirmatus 2337

USA cont.

New Jersey cont.

Anopheles quadrimaculatus 1821, 3560

Culex salinarius 936

Dermacentor variabilis 1575

Lyme disease, epidemiology 4925, 5386

pest control, insecticide residues 5979

Silphidae 1502

Tabanus 3040

Tabanus lineola 1862

Tyto alba, ectoparasites 1918

New Mexico

Geomydoecus 2897

Paruroctonus utahensis 335

plague, epidemiology 930, 1204-1205

Sigmodon hispidus, parasites 41

snakes, parasites 671

New York

Aedes atropalpus 975

Aedes fitchii 5597

Anopheles quadrimaculatus 1821,

3560

cattle dung, Acari 2521

Chironomidae 1709

Culiseta 1830

Dermacentor variabilis 5300

eastern equine encephalitis virus, epidemiology 1407

Ixodes dammini 1980, 3166, 4292,

4306, 5811

Ixodidae 659, 1981

Lyme disease 3274

epidemiology 5386-5387

Musca domestica 4711

Muscidae 5225

Oxypoda opaca 4263

Phormia regina 1479

Poecilochirus monospinosus 4322

Pteromalidae 1505

Sarcoptes scabiei 4837

North Carolina

Aedes 2280

Aedes atropalpus 975

Aedes triseriatus 4602

aquatic insects 3379

Dermacentor variabilis 5300

Macrocheles muscaedomesticae 5223

Oxypoda opaca 4263

Unionicola formosa 683

North Dakota

Ceratophyllus idius 1778

western equine encephalitis virus, epidemiology 2247

Ohio

Aedes albopictus 5537

Aedes atropalpus 975

Aedes triseriatus 5115

Dermacentor variabilis 5289, 5300

Ehrlichia risticii, epidemiology 2606

mammals, ectoparasites 5317

Sarcoptes scabiei 331

Oklahoma

Amblyomma americanum 2493

Culex erraticus 974

Culicidae 973

Demodex folliculorum 5324

Dermacentor variabilis 5300

Epicauta 3750

Polistes perplexus 616

Rhipicephalus sanguineus 3167

Tabanidae 3637

Tabanus 5211

Tabanus abactor 2367

Oregon

Dermacentor albipictus 5315

plague, epidemiology 1204

Protomyobia 1591

Pennsylvania

Ctenocephalides 4594

Eremocoris 5509

Loxosceles reclusa 3859

Lyme disease, epidemiology 4925,

5386

Ornithonyssus sylvarum 3828

pesticides, poisoning 5014

USA cont.

Pennsylvania cont.

tree holes, fauna 526

Rhode Island

Aedes 4635

Belostoma flumineum 5091

Ixodidae 5296

South Carolina

Aedes taeniorhynchus 2303

Chironomidae 1495

Oxypoda opaca 4263

Pediculus capitis 2904

Tennessee

Aedes albopictus 3604

Aedes atropalpus 975

Amblyomma americanum 1967, 5291

Anopheles 5172

Anopheles quadrimaculatus 1821, 3560

Culicidae 5526

Culicoides 4667

Dermacentor variabilis 5300

Ixodidae 1573

man, palaeopathology 2200

Texas

Aedes 2959

Aedes albopictus 84, 2263, 2283, 3604, 5537

Amblyomma 1969

Amblyomma americanum 4789

aquatic insects 9

Araneae 701

Boophilus annulatus 2494

Cache Valley virus, epidemiology 4889

Cochliomyia hominivorax 3065, 4728

Culex quinquefasciatus 89

Culex salinarius 936

Culicidae 5526

Ehrlichia canis, epidemiology 1213-1214

Epicauta 2433

Haematobia irritans 1468, 4009

Himantopus mexicanus, parasites 484

Hypoderma lineatum 3705

Ixodidae 5295

Onthophagus 4255

Paruroctonus utahensis 2030

plague, epidemiology 1205, 1212

Polistes 621

Psorophora columbiae 2249, 2278

Rhipicephalus sanguineus 3167

Solenopsis 4771

Solenopsis invicta 277-278, 1119,

1951, 2461, 3133, 3777-3778,

4285, 4772

Steganopus tricolor, ectoparasites 2186

Utah

Culicoides 5180

Dermacentor albipictus 5315

Hystrichopsyllidae 5101

Vermont, *Oxypoda opaca* 4263

Virginia

Aedes triseriatus 4602

Alphitobius diaperinus 247

Amblyomma americanum 3163

Ceratopogonidae 179

Dermacentor variabilis 1972, 5299-5300

Dermatophagoides 5867

Ehrlichia canis, epidemiology 1213

haematophagous insects 893

Washington

Aedes togoi 5550

Apterona helix 2437

Ixodes angustus 3809

Protomyobia 1591

Wisconsin

Aedes triseriatus 5536

Aedes vexans 77

Ctenocephalides 4594

Ixodes dammini 2478

Lyme disease, epidemiology 4924

Wyoming

Aedes 5532

Ixodes woodi 3156

Protocalliphora braueri 4228

USSR

- Araneae, ecology 2552
 Braconidae, keys 2822
Chironomus 243
Crumomyia 2420
 fishes, ectoparasites 311
Habronema, epidemiology 1053
 Hemiptera, keys 2820
Hyalomma marginatum 1989
Leishmania, epidemiology 3288
 Lyme disease, epidemiology 3275-3276
 pesticides, poisoning 1688
Ranatra 2198
Rickettsia, epidemiology 5919
Simulium condici 1858
Sulciniphia 2361
Thaumatococcus pityocampa 608
 Armenian SSR
 Dermacentor 1986
 Nycteribiidae 5765
 Phlebotomus 5197
 plague, epidemiology 3253
 Tabanidae 3969
 Azerbaidzhan SSR
 Cimex lectularius 1775
 Hypoderma bovis 585
 Phlebotomus 5197
 plague, epidemiology 1786, 3253
 Byelorussian SSR, *Demodex bovis* 1150
 Dagestan ASSR
 Cimex lectularius 1775
 Ixodes ghilarovi 2483
 Ixodidae 648
 Ornithodoros lahorensis 2500
 Georgian SSR
 Phlebotomus 5197
 plague, epidemiology 3253
 rodents, ectoparasites 4290
 Susnomira caucasica 239
 Irkutskaya Oblast
 Ixodes trianguliceps 1984
 tickborne encephalitis, epidemiology 2051
 Kamchatskaya Oblast
 Aedes 1010
 Zachvatkinia zygoloba 2018
 Kara-Kalpakskaya ASSR
 Parabronema skrjabini, epidemiology 2378
 Xenopsylla 1781
 Karelskaya ASSR, *Hybomitra* 3326
 Kazakh SSR
 Phlebotominae 2352
 Psilocnetha almae 1859
 Simuliidae 2710
 Simulium keiseri 185
 tickborne encephalitis virus, epidemiology 353
 Kirgiz SSR, *Sarcoptes scabiei* 5870-5871
 Komi ASSR, *Culex pipiens* 1847
 Krasnoyarskiy Oblast, *Antennoseius hyperboreus* 2517
 Latvian SSR, tickborne encephalitis virus, epidemiology 2581-2582
 Lithuanian SSR, animals, bibliographies 4085
 Magadanskaya Oblast
 Aedes 1010
 Collembola 1522
 Murmanskaya Oblast, insectivorous fishes 3483
 Primorskiy Kray
 Ixodidae 5810
 Necrophorus, mites 5853
 tickborne encephalitis virus, epidemiology 712
 Pskovskaya Oblast, Tabanidae 1861
 RSFSR
 Aedes 161
 Anopheles 2325
 arthropods, books 5446
 Culicidae 1841, 1845, 1848
 Dermacentor 1986
 dwellings, arthropods 2079
 Ixodes 3806
 Ixodes persulcatus 1985, 2482
 Muscidae 2384
 Odonata 2466
 plague, epidemiology 2620

USSR cont.

RSFSR cont.

- reindeer, Diptera 2248
Rickettsia sibirica, epidemiology 300
 Simuliidae 2363
 Siphonaptera 1779
 Tabanidae 195, 1861
 tickborne encephalitis virus, epidemiology 2581-2582, 2586
 Sakhalinskaya Oblast, *Rhagio* 2369
 Tadzhik SSR
 Dermacentor 1986
 dwellings, arthropods 2079
 Ixodidae 652
 Odonata 5794
 Tatarskaya ASSR, *Bakerdania* 2001
 Turkmen SSR, *Gasterophilus* 2404
 Tyumenskaya Oblast
 Antennoseius hyperboreus 2517
 Hypoderma tarandi 3704
 Udmurt ASSR
 Ixodes persulcatus 1988
 tickborne encephalitis virus, epidemiology 2581-2582
 Ukrainian SSR
 Anopheles 5167
 Bakerdania 2001
 Cimex lectularius 1775
 Diptera 1849
 Francisella tularensis, epidemiology 1638
 Oestrus ovis 3701
 Q fever, epidemiology 5916
 storage mites 5865
 tickborne diseases, epidemiology 288
 Trombiculidae 2005
 Wohlfahrtia magnifica 3668
 Yunkeracarus ascanicus 5340
 Uzbek SSR
 Culicidae 1845
 Microspora 3325
 helminths 2649
 Muscidae 1054-1055
 Orthochirus scrobiculosus 5884
 Parabronema skrjabini, epidemiology 2378
 Setaria labiopatipilosa, epidemiology 2650
 Xenopsylla 1781
 Yakutskaya ASSR, small mammals, ectoparasites 1525
 Uukuniemi virus
 arthropods, Czechoslovakia 1634
 taxonomy, molecular genetics 2603
 vectors, *Ixodes ricinus*, Czechoslovakia 293
 Uukuvirus, taxonomy, classification 2603
 Vaccines
 cattle
 Boophilus microplus 4297, 5314
 Hypoderma lineatum 4733
 control, tickborne diseases 3787
 reviews 4931
 Vaccinia virus, *Aedes albopictus*, cell lines, infection 548
 Vacuum cleaning, control, *Dermatophagoides pteronyssinus* 2012
 Valinomycin, biosynthesis 3342
 Vampyrops lineatus, *Periglischrus iheringi*, Brazil 3188
 Vanuatu, dengue virus, epidemiology 5362-5363, 5370
 Vaporthrin (see Empenthrin)
 Varanus
 Chrysops, Congo 1043
 Glossina fuscipes, Uganda 567
 Varanus dumerilii, *Sambonia lohrmanni*, pentastomiasis 3883
 Varanus niloticus, ectoparasites, Kenya 4799
 Vavraia culicis, hosts, *Anopheles stephensi*, pathogenicity 3610
 Vectobac (see *Bacillus thuringiensis* subsp. *israelensis*)
 Vector-borne diseases
 history, reviews 1300
 research 345
 Vector control 2712, 3973
 appropriate technology 4493

Vector control cont.

- appropriate technology cont.
 books 4519
 community participation 4495
 health education, communications technology 4494
 Vectors
 control, failure 398
 parasites, host parasite relationships, immune response 3237
 pathogens, host parasite relationships, reviews 3236
 surveillance, remote sensing 2862
Veigaia kochi, *Sorex alpinus*, Poland 1523
Velia caprai, behaviour, kleptoparasitism 1342
 Veliidae
 marshes, Canada 55
 prey, Culicidae 5122
 taxonomy, keys, British Isles 56
Velocitermes velox, biochemistry, defensive secretions 3148
 Venezuela
 Amblyomma 1976
 Chaoborus brasiliensis 587
 Culex 3583
 Culicidae 5592, 5610
 Farrimyia 5739
 Gigantodax 3635
 guano, Coleoptera 3101
 Lutzomyia 3003
 Lutzomyia valderramai 5644
 pesticides, poisoning 4058
 Simulium metallicum 1433, 3633, 5203
 Tityus melanostictus 5888
 Wyeomyia fernandezyepezi 5579
 Venezuelan equine encephalitis virus
 epidemiology, reviews 755
 vectors, *Culex*, transmission 4185
 Venoms
 Apis mellifera
 allergens 4272
 antigen antibody reactions, ELISA 373
 effects, mast cells, degranulation 5785
 melittin, purification 2448
 Araneae
 γ-aminobutyric acid, antagonists 2554
 neurobiology 4853
 reviews 5342
Buthus tamulus
 biochemistry 5886
 effects, laboratory animals 5345
Buthus martensi, biochemistry 5347
Buthus sindicus, characterization 1176
Delta conoideus, effects, prey 1120
Dolichovespula maculata, antigens, DNA, nucleotide sequences 1514
Eurypelma californicum
 characterization 1615
 toxicity, insects 1615
Heterometrus bengalensis, toxoids, immune serum 5346
 Hymenoptera
 allergens, cross reactivity 4281
 biochemistry 1113
 man
 arthritis, therapy 1112
 immune response 4274
 toxicity, insects 1113
Latrodectus mactans, effects, neurotransmitters 3216
Latrodectus tredecimguttatus, effects, bradykinin 2556
Leiurus quinquestriatus, effects, rats 3224
Monomorium, biochemistry 1516
Monomorium latinode, chemistry, synthesis 5792
Phoneutria nigriventris, effects, sodium channels 5880
Pogonomyrmex, *Phrynosoma*, detoxification 1517
Pogonomyrmex maricopa, toxicity, reptiles 1517
Solenopsis invicta
 allergens 4280, 4282-4283
 man, allergenicity 273

Venoms cont.

- Tetramorium caespitum*, effects, insects, neuromuscular system 3136
- Theraphosidae, biochemistry 5343
- Vespa crabro* 4279
- Vespa orientalis*, erythrocytes, haemolysis 4763
- Vespa*, IgG, antibodies, immunoblotting 1942
- Vermipsyllidae**, taxonomy, morphotaxonomy 2206
- Verruga peruana* (see also *Bartonella bacilliformis*)
- Vertebrate viruses**, books 4106
- Verticillium bulbillosum*, hosts, Acari 2705
- Verticillium lamellicola*, hosts, Acari 2705
- Verticillium lecanii*
fungal insecticides, pest control 4958
hosts, Acari 2705
- Verticillium psalliotae*, hosts, Acari 2705
- Vesicular stomatitis virus**
cattle, Costa Rica 4376
epidemiology, reviews 756
insects, cell lines, infection 2583
vectors
Culicidae, transmission 5610
Culicoides, USA 5180
Diptera, USA 5208
insects, USA 1357
Lutzomyia shannoni
USA 5190
vector competence 5191
- Vespa**
man
envenomation 784
stings 3305
- Vespa analis*, sex pheromones, cross activity 1940
- Vespa crabro*
allergens 4279
behaviour
foraging 3125
nesting 5787
distribution
Fennoscandia 4769
German Federal Republic 1949
ecology, nests 4768
man, hypersensitivity 4279
sex pheromones, cross activity 1940
- Vespa dybowskii*, sex pheromones, cross activity 1940
- Vespa mandarinia*, sex pheromones, cross activity 1940
- Vespa orientalis*
man, envenomation 1941
physiology
cuticle 4764
sounds, larvae 1114
toxins, amino acids, sequences 1115
venoms, erythrocytes, haemolysis 4763
- Vespa simillima xanthoptera*
ecology, thermoregulation 3770
nesting, Japan 5789
parasitoids 3769
sex pheromones, cross activity 1940
- Vespa tropica*, sex pheromones, cross activity 1940
- Vespertilio murinus*, ectoparasites, Poland 678
- Vespertilionidae**, Spinturnicidae, Brazil 3188
- Vespidae**
behaviour, mating frequency 3111
evolution, social behaviour 1513
genetics, gene frequency 1934
man
hypersensitivity 3121, 5931
diagnosis 2454
reviews 2455
stings, treatment 1511
Miltogrammini, ecology, associations 3686
mites, reviews 5280
nests, design 270
- Vespa**
allergens, Trichoptera, cross reactivity 4782
behaviour, learning 2438

Vespa cont.

- man
envenomation 784
hypersensitivity 262, 617, 1108, 2456, 4269-4270, 4273-4274
diagnosis 1109
treatment 271, 2449, 2658, 3300, 4473, 4942
stings 265
venoms, allergens, cross reactivity 4281
- Vespa germanica**
behaviour, foraging 614, 1107
control, biological control 3123
ecology, nests 4768
Listeria, isolation 1217
man
hypersensitivity, treatment 2444-2445, 4276-4277
stings 3305
urban areas, Poland 613
venoms
biochemistry 1113
toxicity, insects 1113
- Vespa pennsylvanica**
entomopathogens 268
microbial pesticides, pathogenicity 268
Neoaplectana feltiae, pathogenicity 4770
- Vespa rufa**
ecology, nests 4768
predators 3125
venoms, IgG, antibodies, immunoblotting 1942
- Vespa squamosa*, venoms, IgG, antibodies, immunoblotting 1942
- Vespa vulgaris**
behaviour
foraging 614
nesting 612
control, biological control 3123
ecology, nests 4768
entomopathogens 268
man, stings 3305
microbial pesticides, pathogenicity 268
nests, biogenic amines 3124
pheromones, chemistry, synthesis 3144
urban areas, Poland 613
venoms, IgG, antibodies, immunoblotting 1942
- Veterinary parasitology**, tropics, books 857
- Vetrazin** (see Cyromazine)
- Vietnam**
dengue haemorrhagic fever, epidemiology 711
Geckobia bataviensis 2003
Hipposiderobia 3834
Villosa villosa, *Unionicola*, host parasite relationships 674
Vioxan (see Carbaryl)
- Viral insecticides**
control, insect pests 377
pest control
reviews 2661
safety 2660
- Virus-like particles**, hosts, Thelohaniidae 3944
- Vitex negundo*, extracts, insects 814
- Vulpes cinereoargenteus**
ectoparasites, USA 5317
Ixodidae, USA 1981
- Vulpes macrotis*, pathogens, USA 3278
- Vulpes vulpes**
ectoparasites, USA 5317
Ixodidae, Portugal 3186
Siphonaptera, Czechoslovakia 66
Trombiculidae, USSR 2005
- Wad Medani serogroup viruses**, taxonomy, classification 4398
- Wad Medani virus**, taxonomy, serotaxonomy 2588
- Walchia fullerii*, distribution, Philippines 2004
- Walchiella impar*, distribution, Philippines 2004
- Walchiella lobiensis*
Rattus rattus, Philippines 2004
taxonomy, new species 2004
- Walchiella oudemansi*
distribution, Philippines 2004
rodents, Indonesia 4325

- Wallis and Futuna**, dengue virus, epidemiology 5362-5363, 5370
- Warburganal**, chemistry, synthesis 4002
- Warileya**
taxonomy
identification, computer techniques 4103
phylogeny 3631
- Washingtonhelea*, taxonomy, new genus 5983
- Washingtonhelea frommeri*, taxonomy, new species 5983
- Wasmannia auropunctata* (see *Ocheto-myrmex auropunctatus*)
- Waste water**
Culex, USA 86, 938, 5531
Culicidae
Iran 4611
USA 121
Culicoides variipennis, USA 1427, 2995-2996
pesticide residues
analytical methods 437
disposal 434-436, 438
- Water buffalo** (see Buffaloes)
- Water containers**
Aedes, Indonesia 4623
Aedes aegypti
Indonesia 2260
Myanmar 5576
Anopheles arabiensis, Mauritius 1837
Culicidae
Nigeria 2332
Sri Lanka 1815
Trinidad and Tobago 4636
USA 4644, 5526
- Water mites**, marshes, Canada 310
- Water quality**
biological indicators 2856
Chironomidae, biological indicators 5261
- Water reservoirs**, Diptera, USSR 1849
- Water supplies**, Culicidae, India 545
- Waterfowl**
Clostridium botulinum, Austria 3694
DDT, residues, USA 430
- Wells**
Anopheles dirus
Burma 536
Thailand 4662
Culicidae, India 545
- Werneckiella equi*
control, insecticides 485
horses, Argentina 485
- Wesselsbron virus**
epidemiology, reviews 757
man, Uganda 2050
- West Africa**, *Simulium damnosum* 1035-1036, 1038
- West Bank**
Phlebotomus papatasi 3001
trachoma, epidemiology 1201
- West Nile virus**
antigenic variation 4401
arthropods, Czechoslovakia 1634
birds, Czechoslovakia 354-355, 714
dogs, South Africa 2049
epidemiology, reviews 758
man
Israel 1635
Nigeria 5372
Pakistan 4383
symptoms 3244
Uganda 2050
pigs, India 347
vectors, *Culex univittatus*, vector competence 966
- Western equine encephalitis virus**
birds, USA 349
Culicidae, USA 107
epidemiology, reviews 759
man, USA 713
Passer domesticus 102
vectors
Culex, USA 2297
Culex tarsalis
infection 3559, 5127, 5139
North America 2247
- Western Samoa**, dengue virus, epidemiology 5370

- xford virus**
pathogenicity, genetics 4396
taxonomy
molecular genetics 2598
serotaxonomy 2588
- eyrauchimyia schlingerii**, taxonomy, new species 5738
- hartonia glenni**, *Plecotus mexicanus*, Mexico 5323
- hartonia maai**, distribution, Philippines 2004
- ilhelmia equina** (see *Simulium equinum*)
- ilhelmia lineata** (see *Simulium lineatum*)
- L85871** (see Alpha-cypermethrin)
- ohlfahrtia magnifica**
control, insecticides 3061
dromedaries, myiasis 3061
livestock, myiasis 5732
man, myiasis 4732
morphotaxonomy, larvae 3066
sheep, USSR 3668
- olbachia**, *Glossina*, DNA, cloning 564
- omersia midwayensis**
Diomedea immutabilis, Midway Islands 3192
taxonomy, new species 3192
- ongorr virus**, taxonomy, serotaxonomy 4888
- S-I**, toxicity, insects 1671
- uchereria**
books 5449
vectors, Culicidae, infectivity 2231
- uchereria bancrofti**
man
epidemiology 5391
India 2653
Philippines 779
vectors
Aedes poicilius, Philippines 3553
Anopheles punctulatus, transmission 1004
Anopheles sinensis, China 4658
Culex pipiens
China 4195
Egypt 5140
infection 514, 519
Culex quinquefasciatus
China 2224
detection, ELISA 1422
Haiti 518
India 516, 2648, 4664, 5447
infections 1791
Taiwan 2992
vector competence 3581
vectorial capacity 4654
Culicidae
China 2221
control 2965
infections 5176
susceptibility 3550
transmission 5165
Diptera, transmission 5163
- ulpisia arnaudi**, taxonomy, new species 5738
- yeomyia**
Australasia, catalogues 4100
behaviour, larvae, locomotion 2257
phytotelmata, Venezuela 5592
- yeomyia fernandezyepezi**, taxonomy, new combination 5579
- yeomyia mitchellii**
attractants 2271
Billbergia pyramidalis, axils, USA 1390
growth regulators, toxicity 120
- yeomyia pseudopecten**
Heliconia imbricata, bracts, Costa Rica 3572
predators, predation 3572
- yeomyia vanduzeei**, *Billbergia pyramidalis*, axils, USA 1390
- anthopteriscina**, taxonomy, nomenclature 2396
- anthosoma sagittifolium**, Culicidae, Venezuela 5592
- enanoetus kabrti**
hosts, Sphaeroceridae 4313
taxonomy, new species 4313
- Xenanoetus kofrankova**
hosts, Sphaeroceridae 4313
taxonomy, new species 4313
- Xenocalliphora hortona**
parasitoids 3071
sheep, New Zealand 3071
- Taenia**, transmission, ingestion 3075
- Xenopsylla astia**
distribution, India 2205
Muridae, India 665
- Xenopsylla brasiliensis**, distribution, India 2205
- Xenopsylla cheopis**
behaviour, feeding behaviour, haematophagy 1782
cycloprene, effects 1352
genetics, cytogenetics 60
insecticides, resistance, India 2205
morphology 4152
rats, bites, immune response 2928
Rattus, plague 1291
Rattus rattus, Korea Republic 4152
Rickettsia typhi, transmission 926, 3259
small mammals, India 2205
- Yersinia pestis**
detection 1344
transmission 1291
- Xenopsylla conformis**, behaviour, feeding behaviour, haematophagy 1782
- Xenopsylla gerbilli**, *Rhombomys opimus*, USSR 1781
- Xenopsylla hirtipes**
Ornithodoros tartakovskyi, feeding 1780
Yersinia pestis, infection 1780
- Xenopsylla nuttalli**, *Rhombomys opimus*, USSR 1781
- Xenopsylla skrjabini**, *Rhombomys opimus*, USSR 1781
- Xenopus laevis**
entomophilic nematodes, infection 3971
organophosphorus insecticides, toxicity 4021
- Xenorhabdus**
hosts, *Neoaeplectana rara* 2073
taxonomy
chemotaxonomy 4485
numerical taxonomy 4486
- Xenorhabdus beddingii**, taxonomy, new status 4486
- Xenorhabdus bovienii**, taxonomy, new status 4486
- Xenorhabdus luminescens**
biochemistry, fatty acids 3956
man, infections 2696
taxonomy, redescription 4486
- Xenorhabdus nematophilus**
Anura, infection 3971
biochemistry, fatty acids 3956
hosts
Neoaeplectana carpocapsae 3328
Vespula pensylvanica, pathogenicity 4770
taxonomy, redescription 4486
- Xenorhabdus poinarii**, taxonomy, new status 4486
- Xenoryctes krameri**
Crociodura leucodon, Poland 1993
Crociodura suaveolens, Poland 2188
- Xestobium rufovillosum**, buildings, Netherlands 317
- Xiangjuwu**, toxicity, *Argas persicus* 2512
- Xiphiopsyllidae**, taxonomy, morphotaxonomy 2206
- XRD-473** (see Hexaflumuron)
control, *Culex* 86
- Yeasts**, *Aedes*, USSR 161
- Yellow fever virus**
Culicidae, cell lines, infection 158
man
Asia 5367
Brazil 5910
Mexico 5985
Nigeria 761, 1409
pathogenesis 4385-4386
reviews 4387
travel medicine 3893, 4883
Uganda 2050
- Yellow fever virus cont.**
vectors
Aedes aegypti, vector competence 1409
Culicidae, Trinidad and Tobago 5113
- Yemen Arab Republic**
akabane virus, epidemiology 346
Phlebotomus 5195-5196
Rhipicephalus 1979
- Yemen Democratic Republic**, akabane virus, epidemiology 346
- Yersina pseudotuberculosis**, *Citellophilus tesquorum*, phagocytosis 1783
- Yersinia**, biology, conferences 443
- Yersinia pestis**
cats, USA 930
Citellophilus tesquorum, phagocytosis 1783
diagnostic techniques, enzyme immunoassay 363
genes, virulence 2627
man
China 4903
Europe, history 4116
UK 1291
USA 1204-1205, 1212
Rattus norvegicus, USSR 3253
rodents
South Africa 5376
USSR 2620
small mammals, Brazil 5928
vectors
Ornithodoros, infection 5302
Siphonaptera
detection 1344
infection 1780
transmission 1291
USSR 1786
Vulpes macrotis, USA 3278
- Yugoslavia**
Anopheles 3584, 4605
Bhanja virus, epidemiology 4380
cattle housing, insects 5409
Cuculotogaster heterographa 486
Dermanyssus gallinae 672
Formicidae, checklists 1948, 2459
Heteroptera, checklists 2190
Ixodes 4795
Ixodidae 3627, 5821
Menacanthus stramineus 921
nutria, ectoparasites 5860
Orthopteroidea, checklists 904
Phlebotomus 3627, 3629
pigeons, ectoparasites 4574, 4578, 5082
Sarcophagidae 2401
tickborne encephalitis virus, epidemiology 4379
trachoma, control 4914
- Yunkeracarus ascanicus**
Muridae, USSR 5340
taxonomy, new species 5340
- Zachvatkinia graciosa**
Procellariiformes, South Georgia 2018
taxonomy, new species 2018
- Zachvatkinia pelecanoi**
Procellariiformes, South Georgia 2018
taxonomy, new species 2018
- Zachvatkinia zygoloba**
Oceanodroma leucorhoa, USSR 2018
taxonomy, new species 2018
- Zaire**
Amblyomma 5818
Culicidae 2946
heartwater, epidemiology 3919
Rhipicephalus 5820
Simulium squamosum 561
Sphaeroceridae, mites 4313
Trypanosoma, epidemiology 200
Uranotaenia 163
- Zambia**
Amblyomma 5842
asthma, epidemiology 3844
cattle, Ixodidae 642
Exhyalanthrax abruptus 3051
Glossina 4205
control 5017
Glossina morsitans 5217
Ixodidae 1135-1136, 4304
Ornithodoros moubata 2475
Strigiphilus 4577

- Zanthoxylum martinicense*, extracts, *Periplaneta americana* 5472
- Zaprionidae**
dwellings, Africa 3078
taxonomy, keys, Africa 3078
- Zebu** (*Bos indicus*)
Amblyomma americanum, animal behaviour, host parasite relationships 2493
Dermatobia hominis, Brazil 582
Glossina palpalis, control 1871
Rhipicephalus appendiculatus, resistance 2496
- Zectran** (see Mexacarbate)
- Zelurus**, prey, Triatominae 48
- Zenaida macroura**, St. Louis encephalitis virus, USA 1186
- Zerconopsis**, hosts, Sphaeroceridae 4313
- Zeugomyia**, Australasia, catalogues 4100
- Zibethacarus ondatrae**, mammals, USA 5317
- Zika virus**, man, Uganda 2050
- Zimbabwe**
Amblyomma 5842
Amblyomma hebraeum 5808
Anopheles 1825, 5627
Anopheles arabiensis 946
Anopheles gambiae 1387
Ceratopogonidae 5641
Gasterophilus 1490
Glossina 1865-1866, 1870, 1874, 3048, 3050
Glossina morsitans 1873
Glossina pallidipes 2376, 5216
pesticides, poisoning 3378
reptiles, insecticide residues 5442
- Zinc**
distribution, Chironomidae, X ray microprobe analysis 3721
toxicity, aquatic invertebrates 4993
- Zingiberaceae**, bracts, invertebrates, Thailand 173
- Ziram** ((*T*-4)-bis(dimethyl-carbamodithioato-*S,S'*)zinc)
genotoxicity, *Drosophila melanogaster* 824
- Zizania palustris**, fields, Culicidae, USA 940
- Zlotorzzyckella colchici**, *Phasianus colchicus*, Poland 1327
- Zonotrichia leucophrys**, *Proctophyllodes*, USA 4850
- Zoo animals**
Demodex tigris, skin diseases 5859
ectoparasites, Poland 1353
pathogens, data banks 709
- Zoogeography**
Culicoides, Poland 555
insects, Nearctic Region 2859
- Zoological gardens**, insect pests, Poland 1466
- Zoonoses**
books 3400
pets, reviews 1181
- Zoophthora radicans** (see *Erynia radicans*)
- Zooprophylaxis**, malaria, mathematical models 987
- Zuskamira**, taxonomy, new genus 239
- Zuskamira inexpectata**
horse dung, Sweden 239
taxonomy, new species 239
- Zygogeomys trichopus**, *Geomydoecus*, Mexico 2900
- Zygonyx iris insignis**, Nematocera, phoresy 3085
- Zygoptera**, prey, Culicidae 5122
- Zygoribatula lata**, *Moniezia expansa*, Argentina 684

LIST OF SERIALS ABSTRACTED

Listed below are the titles of the serial publications (excluding most annual reports and conference proceedings) abstracted during 1990 for this journal. All the titles are given in full, except abbreviated titles taken from secondary publications such as *Referativnyi Zhurnal*.

Many other serials were scanned during 1990 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition*. The publication includes ISSN's and publishers' addresses.

- AAV Today
Abstracts of the Annual Meeting of the American Society for
Microbiology
Acarologia
ACS Symposium Series
Acta Academiae Agriculturae ac Technicae Olstenensis, Technologia
Alimentorum
Acta Agriculturae Universitatis Jilensis
Acta Biológica Venezuelica
Acta Científica Venezolana
Acta Entomologica Bohemoslovaca
Acta Entomologica Chilena
Acta Entomologica Fennica
Acta Entomologica Sinica
Acta Facultatis Rerum Naturalium Universitatis Comenianae,
Zoologia
Acta Faunistica Entomologica Musei Nationalis Pragae
Acta Hydrochimica et Hydrobiologica
Acta Ichthyologica et Piscatoria
Acta Leidensia
Acta Medica Veterinaria
Acta Microbiologica Hungarica
Acta Microbiologica Sinica
Acta Oecologica, Oecologia Applicata
Acta Oecologica, Oecologia Generalis
Acta Paediatrica Scandinavica
Acta Parasitologica Polonica
Acta Pharmaceutica Jugoslavica
Acta Pharmacologica Sinica
Acta Tropica
Acta Universitatis Agriculturae, Facultas Agronomica
Acta Veterinaria (Beograd)
Acta Veterinaria Scandinavica
Acta Virologica
Acta Zoologica Hungarica
Acta Zoologica Sinica
Acta Zootaxonomica Sinica
Actes de l'Institut Agronomique et Vétérinaire Hassan II
Actes des Colloques Insectes Sociaux
Advances in Parasitology
AgBiotech News and Information
Agribusiness Worldwide
Agricultural and Biological Chemistry
Agricultural Research (Washington)
Agriculture and Human Values
Agro Sur
Agrociencia
Agrotechnology Transfer
AJDC, American Journal of Diseases of Children
Aktuelle Rheumatologie
Alabama Journal of Medical Sciences
Alexandria Journal of Agricultural Research
Allergologia et Immunopathologia
Allergologie
Allergy (Copenhagen)
Allergy Proceedings
Amazoniana
American Family Physician
American Industrial Hygiene Association Journal
American Journal of Clinical Pathology
American Journal of Diseases of Children
American Journal of Epidemiology
American Journal of Medicine
American Journal of Ophthalmology
American Journal of Physical Anthropology
American Journal of Public Health
American Journal of Tropical Medicine and Hygiene
American Journal of Veterinary Research
American Midland Naturalist
American Naturalist
American Nurseryman
American Review of Respiratory Disease
American Zoologist
- Anais da Academia Brasileira de Ciências
Anais da Sociedade Entomológica do Brasil
Anais do Instituto de Higiene e Medicina Tropical
Anales de Biología. Sección Biología Animal
Anales de la Facultad de Veterinaria del Uruguay
Anales del Instituto de Biología. Serie Zoología
Analytica Chimica Acta
Analytical Biochemistry
Analytical Chemistry
Anatomia Histologia Embryologia
Anatomical Record
Anatomischer Anzeiger
Angewandte Chemie
Angewandte Parasitologie
Animal Behaviour
Animal Technology
Annalen des Naturhistorischen Museums in Wien, B (Botanik und
Zoologie)
Annales de Dermatologie et de Vénérologie
Annales de l'Institut Pasteur, Microbiologie
Annales de l'Institut Pasteur, Virologie
Annales de la Société Belge de Médecine Tropicale
Annales de la Société Entomologique de France
Annales de Limnologie
Annales de Médecine Interne
Annales de Parasitologie Humaine et Comparée
Annales de Pédiatrie
Annales Entomologici Fennici
Annales Zoologici
Annali della Facoltà di Scienze Agrarie della Università degli Studi
di Torino
Annals of Agricultural Science (Cairo)
Annals of Allergy
Annals of Emergency Medicine
Annals of Entomology
Annals of Internal Medicine
Annals of Neurology
Annals of Occupational Hygiene
Annals of Saudi Medicine
Annals of the Entomological Society of America
Annals of the New York Academy of Sciences
Annals of Tropical Medicine and Parasitology
Annual Bulletin of the Society of Parasitology, Guangdong Province
Annual Report of the Society of Plant Protection of North Japan
Annual Report of the Tokyo Metropolitan Research Laboratory of
Public Health
Annual Review of Entomology
Annual Review of Neuroscience
Annual Review of Public Health
Annuario dell'Istituto e Museo di Zoologia dell'Università di Napoli
Antenna
Anzeiger für Schädlingkunde, Pflanzenschutz, Umweltschutz
Applied and Environmental Microbiology
Applied Animal Behaviour Science
Applied Engineering in Agriculture
Applied Entomology and Zoology
Applied Microbiology and Biotechnology
Aquaculture
Aquaculture and Fisheries Management
Aquatic Insects
Aquatic Toxicology
Arab Gulf Journal of Scientific Research
Arbeitsmedizin Sozialmedizin Präventivmedizin
Archiv für Experimentelle Veterinärmedizin
Archiv für Hydrobiologie
Archiv für Hydrobiologie, Supplementband, Monographische
Beiträge
Archiva Veterinaria
Archives de l'Institut Pasteur de Madagascar
Archives Françaises de Pédiatrie
Archives of Biochemistry and Biophysics
Archives of Dermatology
Archives of Disease in Childhood

- Archives of Environmental Contamination and Toxicology
 Archives of Insect Biochemistry and Physiology
 Archives of Neurology
 Archives of Ophthalmology
 Archives of Virology
 Archives Roumaines de Pathologie Expérimentale et de Microbiologie
 Archivio Veterinario Italiano
 Archivos Argentinos de Dermatología
 Archivos de Medicina Veterinaria
 Arkansas Farm Research
 Arquivo Brasileiro de Medicina Veterinária e Zootecnia
 Ars Veterinaria
 Arthritis & Rheumatism
 ASFIS Reference Series, Aquatic Sciences and Fisheries Information System
 Aspects of Applied Biology
 Assiut Journal of Agricultural Sciences
 Assiut Veterinary Medical Journal
 Atmospheric Environment
 Australasian Journal of Dermatology
 Australian Entomological Magazine
 Australian Journal of Agricultural Research
 Australian Journal of Biotechnology
 Australian Journal of Ecology
 Australian Rangeland Journal
 Australian Veterinary Journal
 Australian Veterinary Practitioner
 Avian Diseases
 Bangladesh Journal of Animal Science
 Bangladesh Journal of Zoology
 Bangladesh Veterinary Journal
 Behavior Genetics
 Behavioral Ecology and Sociobiology
 Behavioural Processes
 Berliner und Münchener Tierärztliche Wochenschrift
 Between the Species
 Bio/Technology
 Biochemical and Biophysical Research Communications
 Biochemical Genetics
 Biochemical Journal (London)
 Biochemical Society Transactions
 Biochemical Systematics and Ecology
 Biochemistry (New York)
 Biochemistry (Washington)
 Biochemistry and Cell Biology
 Biochimica et Biophysica Acta (G), General Subjects
 Biochimica et Biophysica Acta (L), Lipids and Lipid Metabolism
 Biochimica et Biophysica Acta (M), Biomembranes
 Biochimica et Biophysica Acta (MR), Reviews on Biomembranes
 Biochimica et Biophysica Acta (N), Gene Structure and Expression
 Biochimica et Biophysica Acta (P), Protein Structure and Molecular Enzymology
 Biocontrol News and Information
 Bioelectromagnetics
 Biogenic Amines
 Biológia (Bratislava)
 Biological Bulletin
 Biological Chemistry Hoppe-Seyler
 Biological Cybernetics
 Biological Journal of the Linnean Society
 Biological Survey of Canada Taxonomic Series
 Biological Wastes
 Biologicheskii Zhurnal Armenii
 Biologist
 Biology and Fertility of Soils
 Biology Bulletin of the Academy of Sciences of the USSR
 Biološki Vestnik
 Biomedicine & Pharmacotherapy
 Biomedizinische Technik
 Bioorganicheskaya Khimiya
 Biophysical Chemistry
 BioScience
 BioSystems
 Biotechnology Advances
 Biotechnology Letters
 Biotechnologiya
 Biotropica
 Boletim da Sociedade Portuguesa de Entomologia
 Boletim do Instituto de Pesquisas Veterinárias Desidério Finamor
 Boletín Chileno de Parasitología
 Boletín de Sanidad Vegetal, Plagas
 Boletín Técnico - Empresa de Pesquisa Agropecuária de Minas Gerais
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 Bollettino della Società Entomologica Italiana
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 British Journal of Urology
 British Medical Journal (Clinical Research Edition)
 British Mosquito Group Newsletter
 British Reports, Translations and Theses
 British Veterinary Journal
 Buffalo Bulletin
 Buffalo Journal
 Bulletin - Académie Serbe des Sciences et des Arts (Classe des Sciences Mathématiques et Naturelles)
 Bulletin - Connecticut Agricultural Experiment Station
 Bulletin d'Écologie
 Bulletin de l'Académie Vétérinaire de France
 Bulletin de l'Institut Royal des Sciences Naturelles de Belgique, Entomologie
 Bulletin de la Société de Pathologie Exotique et de ses Filiales
 Bulletin de la Société Entomologique d'Égypte
 Bulletin de la Société Neuchâteloise des Sciences Naturelles
 Bulletin de la Société Royale des Sciences de Liège
 Bulletin de la Société Zoologique de France
 Bulletin des G.T.V.
 Bulletin Ecologique
 Bulletin et Annales de la Société Royale Belge d'Entomologie
 Bulletin Mensuel de la Société Vétérinaire Pratique de France
 Bulletin of Animal Health and Production in Africa
 Bulletin of Endemic Diseases
 Bulletin of Entomological Research
 Bulletin of Entomology (New Delhi)
 Bulletin of Environmental Contamination and Toxicology
 Bulletin of the Amateur Entomologists' Society
 Bulletin of the American Museum of Natural History
 Bulletin of the British Ecological Society
 Bulletin of the British Museum (Natural History), Entomology Series
 Bulletin of the Entomological Society of America
 Bulletin of the Entomological Society of Egypt, Economic Series
 Bulletin of the Faculty of Agriculture, Yamaguchi University
 Bulletin of the Institute of Zoology, Academia Sinica
 Bulletin of the Pan American Health Organization
 Bulletin of the Polish Academy of Sciences, Biological Sciences
 Bulletin of the Society for Vector Ecology
 Bulletin of the Society of Vector Ecologists
 Bulletin of the World Health Organization
 Bulletin SROP
 Byulleten' Moskovskogo Obshchestva Ispytatelei Prirody, Otdel Biologicheskii
 California Veterinarian
 Canada Diseases Weekly Report
 Canadian Entomologist
 Canadian Journal of Agricultural Economics
 Canadian Journal of Veterinary Research
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 Canadian Technical Report of Fisheries and Aquatic Sciences
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 Časopis Slezského Muzea. Série A, Vědy Přírodní
 Catalogue of Palaeartic Diptera
 Cell and Tissue Research
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 Cellular and Molecular Neurobiology
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 Central African Journal of Medicine
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 Chemical Research in Toxicology
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 Colloques de l'INRA
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 Doklady, Biological Sciences
 Drug Intelligence & Clinical Pharmacy
 East African Medical Journal
 Ecologia
 Ecological Entomology
 Ecological Modelling
 Ecotoxicology and Environmental Safety
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 Egyptian Journal of Veterinary Science
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 Environmentalist
 Eos (Madrid)
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 Equine Veterinary Journal
 Ethiopian Medical Journal
 Ethology
 Etudes et Synthèses de l'ITEMVT
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 European Journal of Biochemistry
 European Journal of Clinical Microbiology & Infectious Diseases
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 European Journal of Immunology
 European Journal of Protistology
 Evolution
 Experientia
 Experimental & Applied Acarology
 Experimental Cell Research
 Experimental Mycology
 Experimental Parasitology
 Extension Bulletin - ASPAC Food and Fertilizer Technology Center
 for the Asian and Pacific Region
 Extension Bulletin - Cooperative Extension, College of Agriculture
 and Home Economics, Washington State University
 Eye
 FAO Fisheries Technical Paper
 Farmers Weekly
 FASEB Journal
 Fauna Norvegica. Serie B, Norwegian Journal of Entomology
 Fauna of New Zealand
 Fauna of Saudi Arabia
 FEBS Letters
 FEMS Microbiology Letters
 Field Studies
 Fish Pathology
 Fitoterapia
 Florida Entomologist
 Focus on Phytochemical Pesticides
 Folia Biologica (Warszawa)
 Folia Entomológica Mexicana
 Folia Parasitologica
 Folia Primatologica
 Food Additives and Contaminants
 Food and Chemical Toxicology
 Foreign Animal Disease Report
 Forensic Science International
 Fragmenta Faunistica
 Fresenius' Zeitschrift für Analytische Chemie
 Functional Ecology
 Fundamental and Applied Toxicology
 Garcia de Orta. Série de Zoologia
 Gene
 Gene Analysis Techniques
 General and Comparative Endocrinology
 Genetica
 Genetics
 Genetika (Moskva)
 Genome
 Geoderma
 Gigena i Sanitariya
 Giornale di Malattie Infettive e Parassitarie
 Giornale Italiano di Entomologia
 Glycoconjugate Journal
 Great Basin Naturalist
 Great Lakes Entomologist
 Ground Water
 Gujvet
 H + G, Zeitschrift für Hautkrankheiten
 H&CP, Hospital and Community Psychiatry
 Handbooks for the Identification of British Insects
 Hassadeh
 Hautarzt
 Helminthologia
 Heredity
 Highlights of Agricultural Research, Alabama Agricultural Experi-
 ment Station
 Hilgardia
 Histochemistry
 Honeybee Science

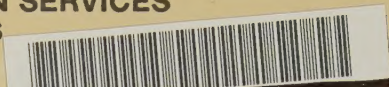
- Hospital Practice
 HRC and CC, Journal of High Resolution Chromatography and Chromatography Communications
 Human Toxicology
 Hydrobiologia
 Hydrologie Continentale
 Igiene Moderna
 ILCA Bulletin
 Immunology
 Immunology and Allergy Clinics of North America
 In Practice
 In Vitro Cellular & Developmental Biology
 Index to Theses Accepted for Higher Degrees in the Universities of Great Britain and Ireland
 Indian Journal of Animal Health
 Indian Journal of Animal Research
 Indian Journal of Animal Sciences
 Indian Journal of Biochemistry and Biophysics
 Indian Journal of Comparative Microbiology, Immunology and Infectious Diseases
 Indian Journal of Entomology
 Indian Journal of Experimental Biology
 Indian Journal of Indigenous Medicines
 Indian Journal of Malariology
 Indian Journal of Medical Research
 Indian Journal of Nematology
 Indian Journal of Public Health
 Indian Journal of Veterinary Medicine
 Indian Veterinary Journal
 Industrial Health
 Industrie Alimentari
 Infection and Immunity
 Information Report - Forest Pest Management Institute, Canadian Forestry Service
 Informe Agropecuario
 Informe de Investigación - División de Ciencias Agropecuarias y Marítimas, Instituto Tecnológico y de Estudios Superiores de Monterrey, Mexico
 Insect Biochemistry
 Insect Knowledge
 Insect Science and its Application
 Insectes Sociaux
 International Archives of Allergy and Applied Immunology
 International Journal for Parasitology
 International Journal of Acarology
 International Journal of Biochemistry
 International Journal of Biological Macromolecules
 International Journal of Crude Drug Research
 International Journal of Dermatology
 International Journal of Environmental Analytical Chemistry
 International Journal of Environmental Studies
 International Journal of Epidemiology
 International Journal of Insect Morphology & Embryology
 International Journal of Invertebrate Reproduction and Development
 International Journal of Peptide and Protein Research
 International Journal on Endocytobiosis and Cell Research
 International Review of Cytology
 International Rice Research Newsletter
 Internationale Revue der gesamten Hydrobiologie
 Intervirology
 Invertebrate Reproduction and Development
 Invertebrate Taxonomy
 Investigative Ophthalmology & Visual Science
 Iranian Journal of Public Health
 Irish Journal of Medical Science
 ISI Atlas of Science, Animal & Plant Sciences
 Israel Journal of Medical Sciences
 Jugoslavica Physiologica et Pharmacologica Acta
 Izvestiya Akademii Nauk Kazakhskoi SSR. Seriya Biologicheskaya
 Izvestiya Akademii Nauk SSSR. Seriya Biologicheskaya
 Izvestiya Akademii Nauk Turkmenskoi SSR. Seriya Biologicheskikh Nauk
 Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR, Biologicheskikh Nauk
 JAMA, Journal of the American Medical Association
 Japan Pesticide Information
 Japanese Journal of Allergology
 Japanese Journal of Applied Entomology and Zoology
 Japanese Journal of Medical Science & Biology
 Japanese Journal of Sanitary Zoology
 Japanese Journal of Tropical Medicine and Hygiene
 Japanese Journal of Veterinary Science
 Journal of Virology
 Journal - Association of Official Analytical Chemists
 Journal - Water Pollution Control Federation
 Journal de Physiologie
 Journal of Advanced Zoology
 Journal of Agricultural and Food Chemistry
 Journal of Agricultural Entomology
 Journal of Allergy and Clinical Immunology
 Journal of Analytical Toxicology
 Journal of Animal Ecology
 Journal of Animal Science
 Journal of Antibiotics
 Journal of Applied Bacteriology
 Journal of Applied Ecology
 Journal of Applied Entomology
 Journal of Applied Rabbit Research
 Journal of Applied Toxicology
 Journal of Arachnology
 Journal of Arid Environments
 Journal of Asthma
 Journal of Bacteriology
 Journal of Bengal Natural History Society
 Journal of Biochemical Toxicology
 Journal of Biochemistry (Tokyo)
 Journal of Biological Chemistry
 Journal of Biological Education
 Journal of Biological Science Research
 Journal of Biosciences
 Journal of Cardiovascular Pharmacology
 Journal of Cell Biology
 Journal of Cell Science
 Journal of Chemical Ecology
 Journal of Chemometrics
 Journal of Chromatography
 Journal of Clinical Immunoassay
 Journal of Clinical Microbiology
 Journal of Clinical Neuro-ophthalmology
 Journal of Clinical Pathology
 Journal of Communicable Diseases
 Journal of Comparative Neurology
 Journal of Comparative Pathology
 Journal of Comparative Physiology. A, Sensory, Neural, and Behavioral Physiology
 Journal of Comparative Physiology. B, Biochemical, Systemic, and Environmental Physiology
 Journal of Controlled Release
 Journal of Crustacean Biology
 Journal of Dairy Science
 Journal of Ecology (Beijing)
 Journal of Economic Entomology
 Journal of Entomological Science
 Journal of Environmental Engineering
 Journal of Environmental Health
 Journal of Environmental Science and Health. Part A, Environmental Science and Engineering
 Journal of Environmental Science and Health. Part B, Pesticides, Food Contaminants, and Agricultural Wastes
 Journal of Equine Veterinary Science
 Journal of Ethology
 Journal of Evolutionary Biochemistry and Physiology
 Journal of Experimental Biology
 Journal of Experimental Marine Biology and Ecology
 Journal of Experimental Zoology
 Journal of Family Practice
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Krolikovodstvo i Zverovodstvo
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Lancet (British edition).
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Monograph - British Crop Protection Council
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Mutagenesis
Mutation Research, DNA Repair Reports
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Naturalists' Handbooks
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New Zealand Medical Journal
New Zealand Veterinary Journal

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 Zashchita Rastenii (Moskva)
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Forestry
Forestry Abstracts; Forest Products Abstracts; Forestry Abstracts.

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Pest Control News & Information; Nematological Abstracts; Review of Agricultural Entomology; Review of Plant Pathology; Weed Abstracts.

Economics, Development and Sociology

Leisure, Recreation & Tourism Abstracts; Rural Development Abstracts; World Agricultural Economics & Rural Sociology Abstracts.

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CAB International (CABI) is an international, inter-governmental organization registered with the United Nations. It is owned and administered by its member governments; these currently number 29, but membership is open to all governments who wish to participate. Established in 1928, the organization provides information, scientific, and development services for agriculture and allied disciplines throughout the world.

Information Services

The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database of research on agriculture, forestry and allied disciplines, including social sciences and aspects of human medicine. Abstract journals derived from the database, and online access to it, provide a unique source of information for research scientists, development planners, educators and students. Subsidiary but growing tasks are the publication of primary journals and reference works, and training information professionals in developing countries.

The Accessions Unit acquires the relevant scientific and technical literature (ca 10,000 serials and over 5,000 other publications annually) for abstracting by almost 100 scientists/linguists in the following 11 Bureaux:

- Agricultural Economics
- Animal Breeding & Genetics
- Animal Health
- Dairy Science & Technology
- Nutrition
- Pastures & Field Crops
- Crop Protection
- Horticulture & Plantation Crops
- Plant Breeding & Genetics
- Soils
- Forestry

Further material is acquired and processed by collaborating or contracted organizations. Other staff coordinate work on specialized directories and databanks, and commission new books and primary journals. The Publications Unit is responsible for printing the journals and books, and the Marketing & Sales Division promotes and sells Information Services products and services world-wide (see inside back cover for details).

Scientific Services

CABI's Scientific Services consist of four institutes and two support services:

CAB International Institute of Entomology (CIE), Director Dr K.M. Harris, located at 56 Queen's Gate, London, and in the British Museum, Natural History.

CAB International Mycological Institute (CMI), Director Professor D.L. Hawksworth, located at Ferry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

CAB International Institute of Parasitology (CIP), Director Dr R. Muller, located at Winches Farm, St Albans, the field station of the London School of Hygiene & Tropical Medicine.

These three Institutes provide an authoritative identification service for agricultural pests and other organisms, conduct research, implement projects, and provide training in their fields of expertise.

CAB International Institute of Biological Control (CIBC), Director Dr D.J. Greathead, has its headquarters at Silwood Park, Ascot, the field station of Imperial College of Science and Technology, University of London. It has stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia. It provides biocontrol services, conducts training and participates in integrated pest management programmes.

Development Services, (CDS), Head Mr D. Heydon, integrate the broad range of CABI expertise to provide advice and assistance with agricultural problems, but particularly those related to pest management and information services.

Library Services, Manager Mr C.J. Hamilton, have their headquarters with CIBC at Silwood Park, where the main Library is held, with additional literature collections at CMI, CIP, CDS and CABIC. Library Services operate a Document Delivery Service.

Systems

The Systems Division provides computing resources and services to all parts of CABI. It maintains a central computing facility with telecommunications access to seven remote sites, including four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilities. The main computers are DEC VAX systems and the principal software systems are BASIS for data management and information retrieval and PAGER for typesetting.

The staff of 20 includes database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CAB bibliographic database and associated functions, plus accessions control, subscription management and electronic publishing.

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